TOSHIBA

FILE NO. 030-9819

SERVICE MANUAL

COLOUR TELEVISION

C8SS Chassis

56PW8DG

– SUMMARY –

56PW8DG is the same as 40PW8DG except for the parts and bus data of micro-processor and screen adjustment dimensions tabled on back of this sheet.
Use this service manual together with the original service manual of 40PW8DG, 40PW8DB (File No. 030-9802).

PRINTED IN JAPAN, Jul., 1998 (So)

SETTING & ADJUSTING DATA DIFFERENCES

【 SERVICE MODE 】

ADJUSTING ITEMS AND DATA IN THE SERVICE MODE:

Item	Name of adjustment	Preset	Data
HCP	H-COMPENSATION	02H	01H

Table-2

REPLACEMENT PARTS LIST DIFFERENCES

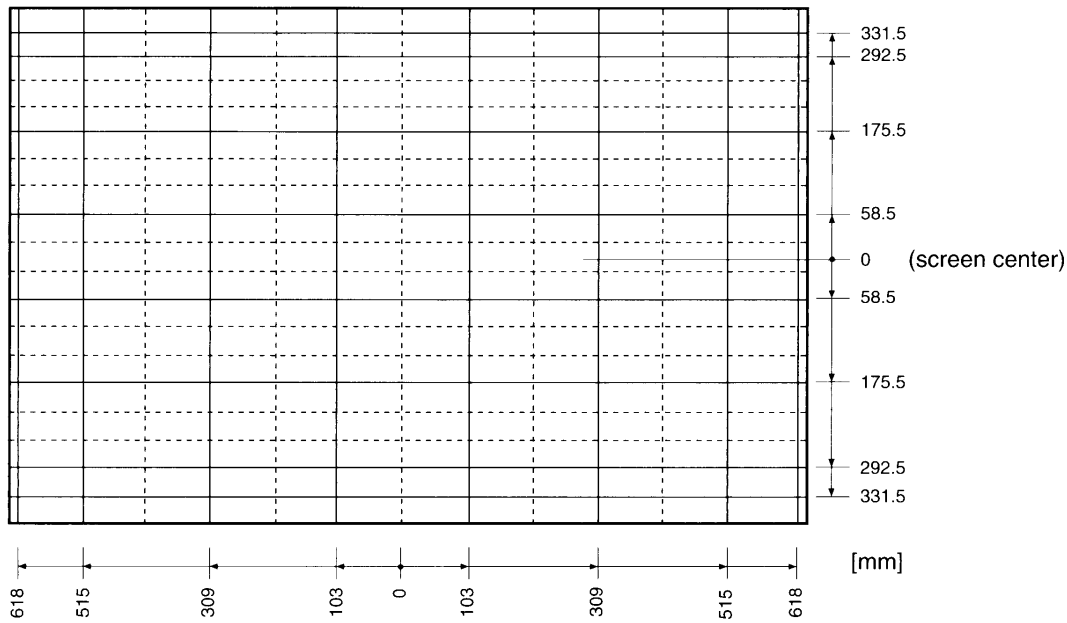
Location No.	Part No.	Description
A101	23465848	Wood Cabinet
A201	23510486	Front Panel Ass'y
A205	23885279	Panel, Control
A249	23858829	Spacer
⚠A401	23426971	Back Cover
A403	23822265	Panel, Back Board
A411	23550108	Label, Model No.
A701	23525618	Carton
A702	23935793	Packing, Top
A703	23845450	Joint
A706	23943009	Cover, Poly
A708	23541004	Protective Sheet
A710	23550109	Label, Carton
C6151	24232103	CD, 0.01μF, +80%, −20%
C6152	24232103	CD, 0.01μF, +80%, −20%
CB51	24794470	EL, 47μF, ±20%, 16V
CV460	24212332	CD, 3300pF, ±10%
CV470	24212332	CD, 3300pF, ±10%
CV480	24212102	CD, 1000pF, ±10%
DB51	23358493	Diode, (LED), SPR54MVWFLMN
DB53	23358522	Diode, SIR-56SB3F
K101	23430160	Delta, 79-A/B Assembly
K102	23430160	Delta, 79-A/B Assembly
K103	23430160	Delta, 79-A/B Assembly
K501	23837522	Lenti Sheet, SCREEN56KH-L
K502	23837523	Fresnel Sheet, SCREEN56KH-F
K601	23430268	MIRROR56
L6151	23103859	Coil (Ferrite Bead), TEM2011
LV470	23289109	Coil, Peaking, TRF41R0AF
QB51	23114433	Transistor, 2SC1815-Y
QB52	23114425	Transistor, 2SA1015-Y(TE)
R6880	24552391	OMF, 390 ohm, 1/2W
R6900	24552391	OMF, 390 ohm, 1/2W

Location No.	Part No.	Description
RA710	24366683	CF, 68k ohm
RA720	24366223	CF, 22k ohm
RA730	24366103	CF, 10k ohm
RA760	24366103	CF, 10k ohm
RB51	24366271	CF, 270 ohm
RB52	24366221	CF, 220 ohm
RB54	24366223	CF, 22k ohm
RB59	24366470	CF, 47 ohm
RB110	24366103	CF, 10k ohm
RB120	24366471	CF, 470 ohm
RV600	24366681	CF, 680 ohm
RV610	24366681	CF, 680 ohm
SA51	23145226	Switch, Push
SA52	23145226	Switch, Push
SA53	23145226	Switch, Push
SA54	23145226	Switch, Push
SA56	23145226	Switch, Push
* U103	23782044	D-Conv Board, PB7929A
* U901A	23782035	CRT-D (R) Board, PB7918Y-1
* U901B	23782034	CRT-D (G) Board, PB7918Y-2
* U901C	23782036	CRT-D (B) Board, PB7918Y-3
* U901D	23782037	AC-IN Board, PB7918Y-4
* U901E	23782038	Front-IN Board, PB7918Y-5
* U901F	23782039	RMT-IN Board, PB7918Y-6
* U901G	23782040	SVM Board, PB7918Y-7
* U901H	23782041	Front cont. Board, PB7918Y-8
* U901I	23782042	Front in Board, PB7918Y-9
* U901J	23782043	RMT in Board, PB7918Y-0
* U902A	23782119	Signal Board, PB7913W
⚠V901R	23796466	Projection Tube Assy, 56R
⚠V902G	23796467	Projection Tube Assy, 56G
⚠V903B	23796468	Projection Tube Assy, 56B
W661	23151232	Speaker, SPK-1235
W662	23151232	Speaker, SPK-1235

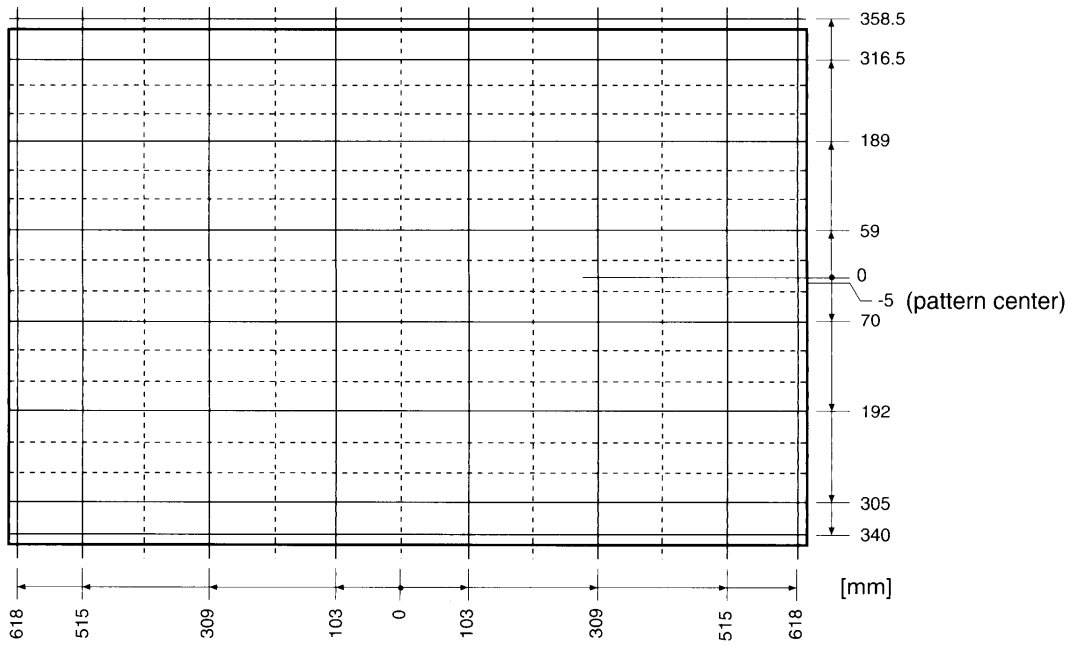
SCREEN ADJUSTMENT DIMENSIONS DIFFERENCES

3 Screen adjustment dimensions

3-1 WIDE/4:3 (PAL mode)



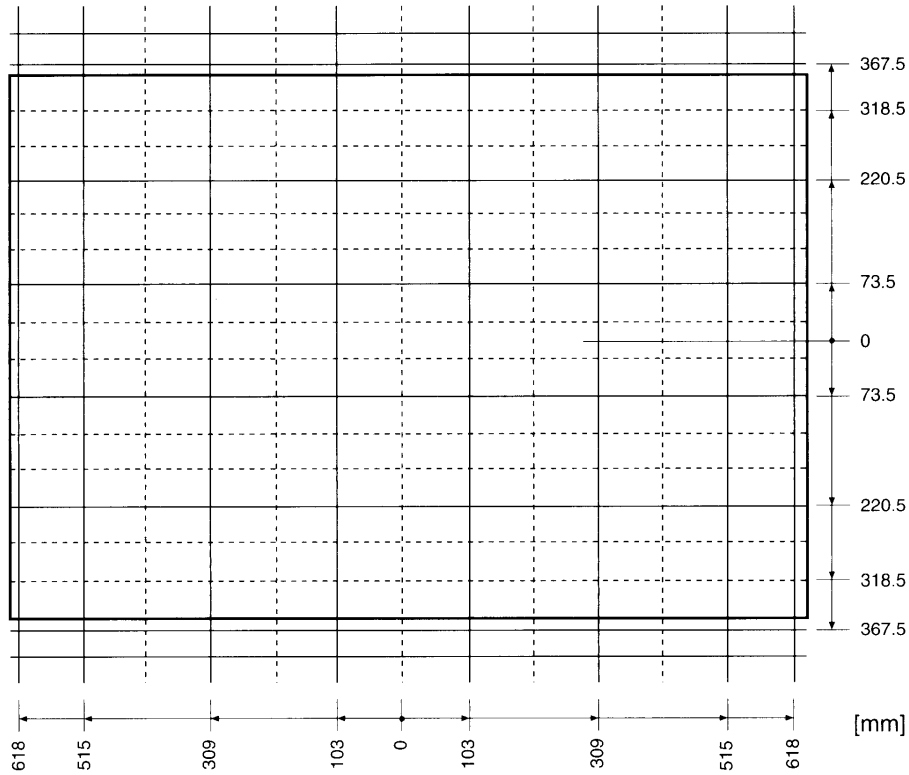
3-2 Super Wide (PAL mode)



Caution: Do not perform the VLIN adjustment.

3-3 Cinema (PAL mode)

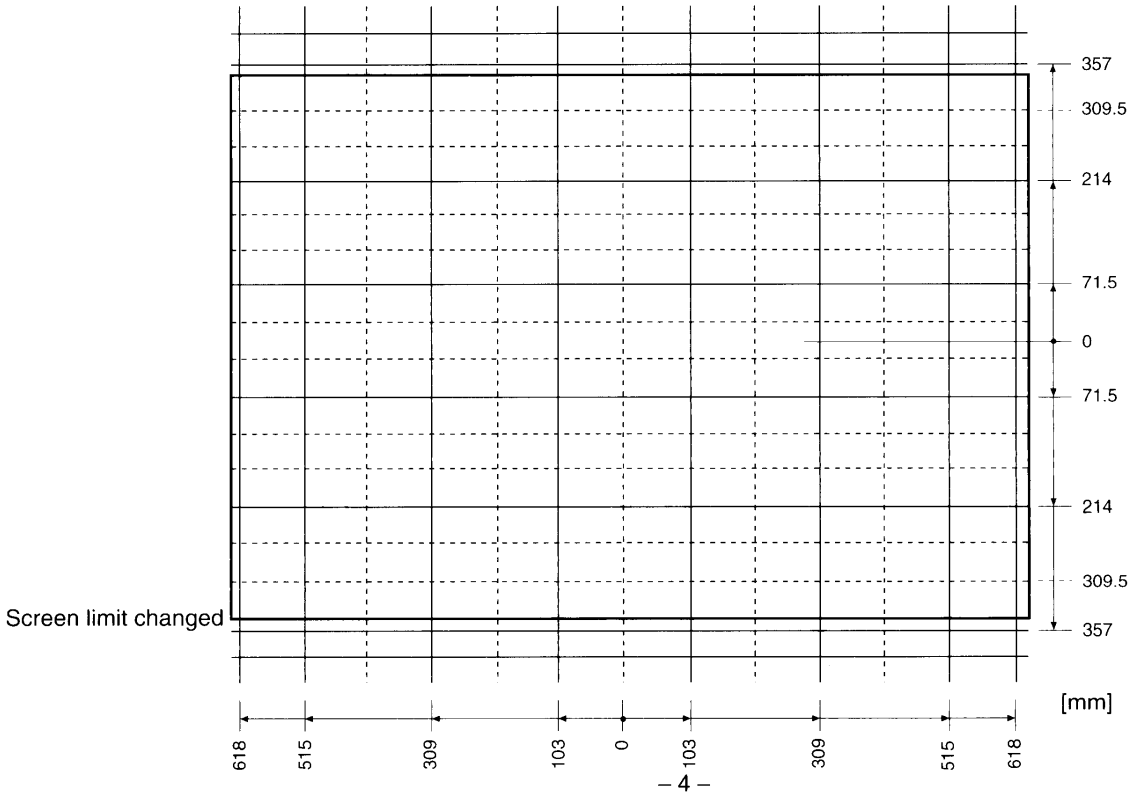
Note: The cursor will move outside the screen limits in the Cinema mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.



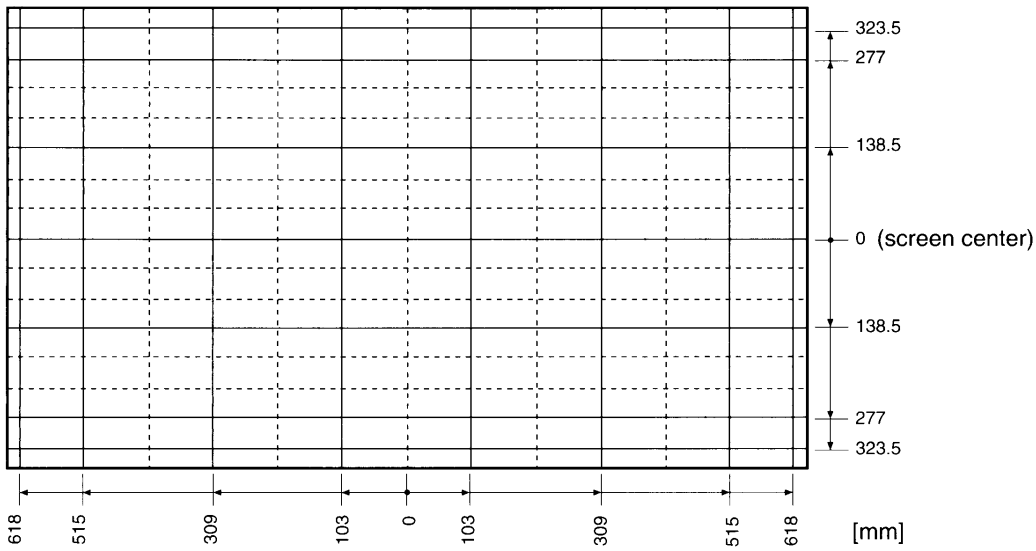
3-4 Subtitle (PAL mode)

Note: The cursor will move outside the screen limits in the Subtitle mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

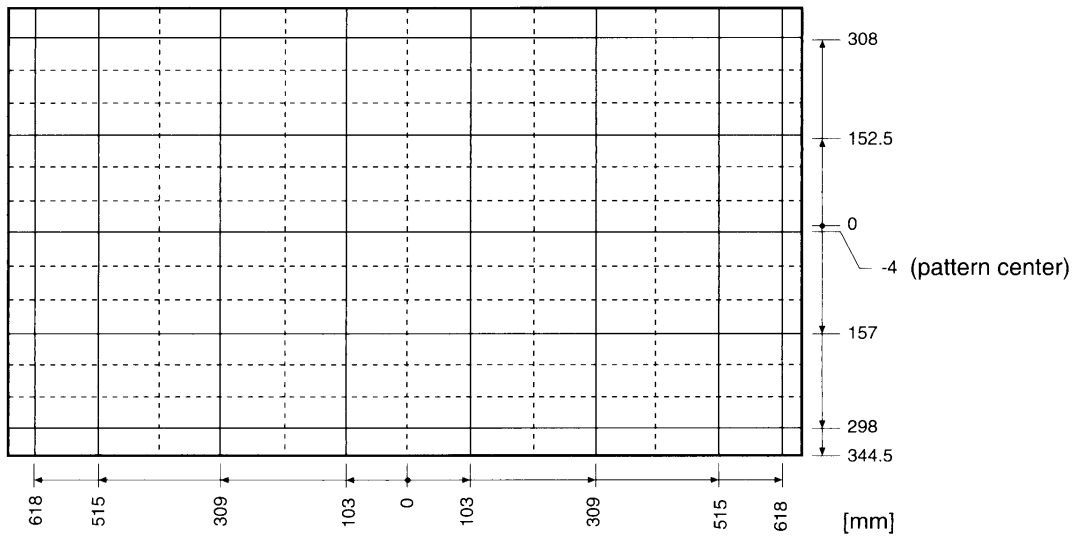
Note: Please be aware that the Subtitle screen convergence pattern center is located at the center of the screen but the image center is located approximately 13mm above that.



3-5 WIDE/4:3 (NTSC mode)



3-6 Super Live (NTSC mode)

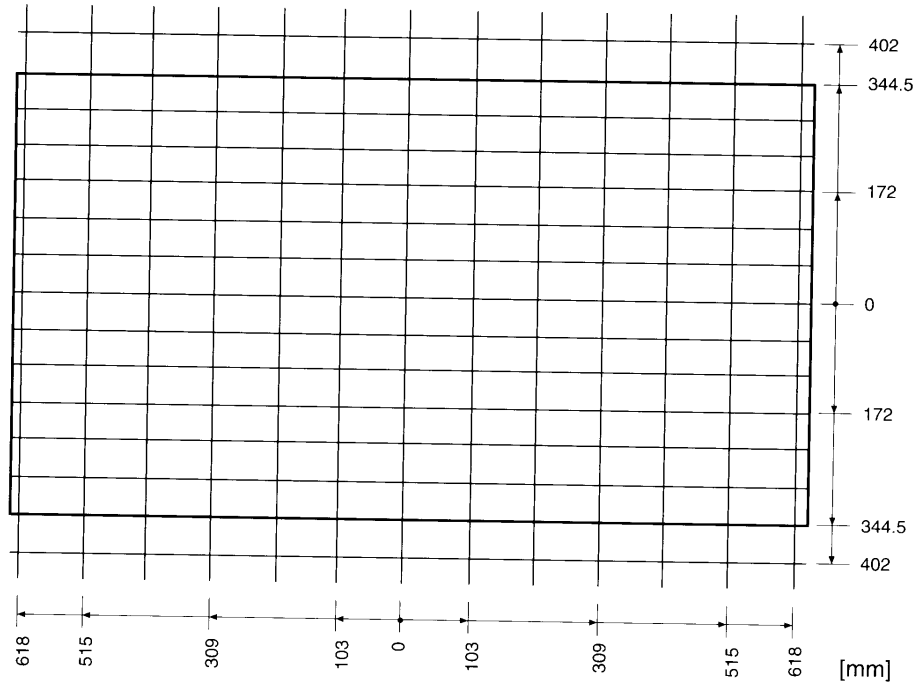


Caution: Do not perform the VLIN adjustment.

3-7 Cinema (NTSC mode)

Note: The cursor will move outside the screen limits in the Cinema mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

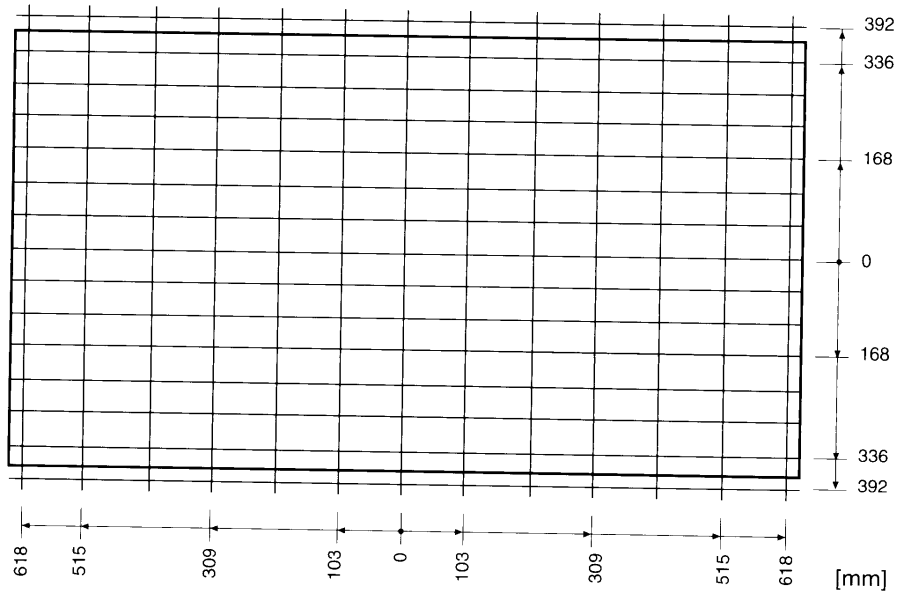
Note: Please be aware that the Cinema screen convergence pattern center is located at the center of the screen but the image center is located approximately 13mm above that.



3-8 Subtitle (NTSC mode)

Note: The cursor will move outside the screen limits in the Subtitle mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

Note: Please be aware that the Subtitle screen convergence pattern center is located at the center of the screen but the image center is located approximately 32mm above that.



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TOSHIBA

FILE NO. 030-9802

SERVICE MANUAL

COLOUR TELEVISION

C8SS Chassis

40PW8DG, 40PW8DB

PRINTED IN JAPAN Apr., 1998 Ⓣ

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CHAPTER 1 GENERAL ADJUSTMENTS

SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is Ⓐ kV at zero beam current (minimum brightness) under a Ⓒ V AC power source. The high voltage must not, under any circumstances, exceed Ⓑ kV.

   Refer to table-1 for high voltage Ⓐ, Ⓑ & AC voltage Ⓒ. (See SETTING & ADJUSTING DATA on page 31)

   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

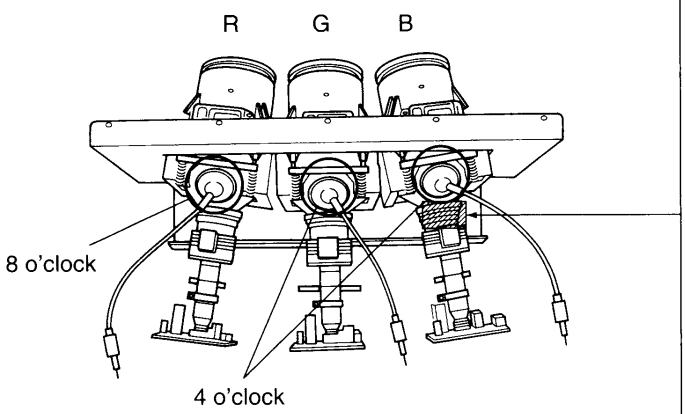
1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.

PRODUCT SAFETY NOTICE

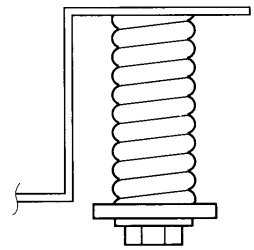
Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

CRT ASSEMBLY REPLACEMENT AND MOUNTING

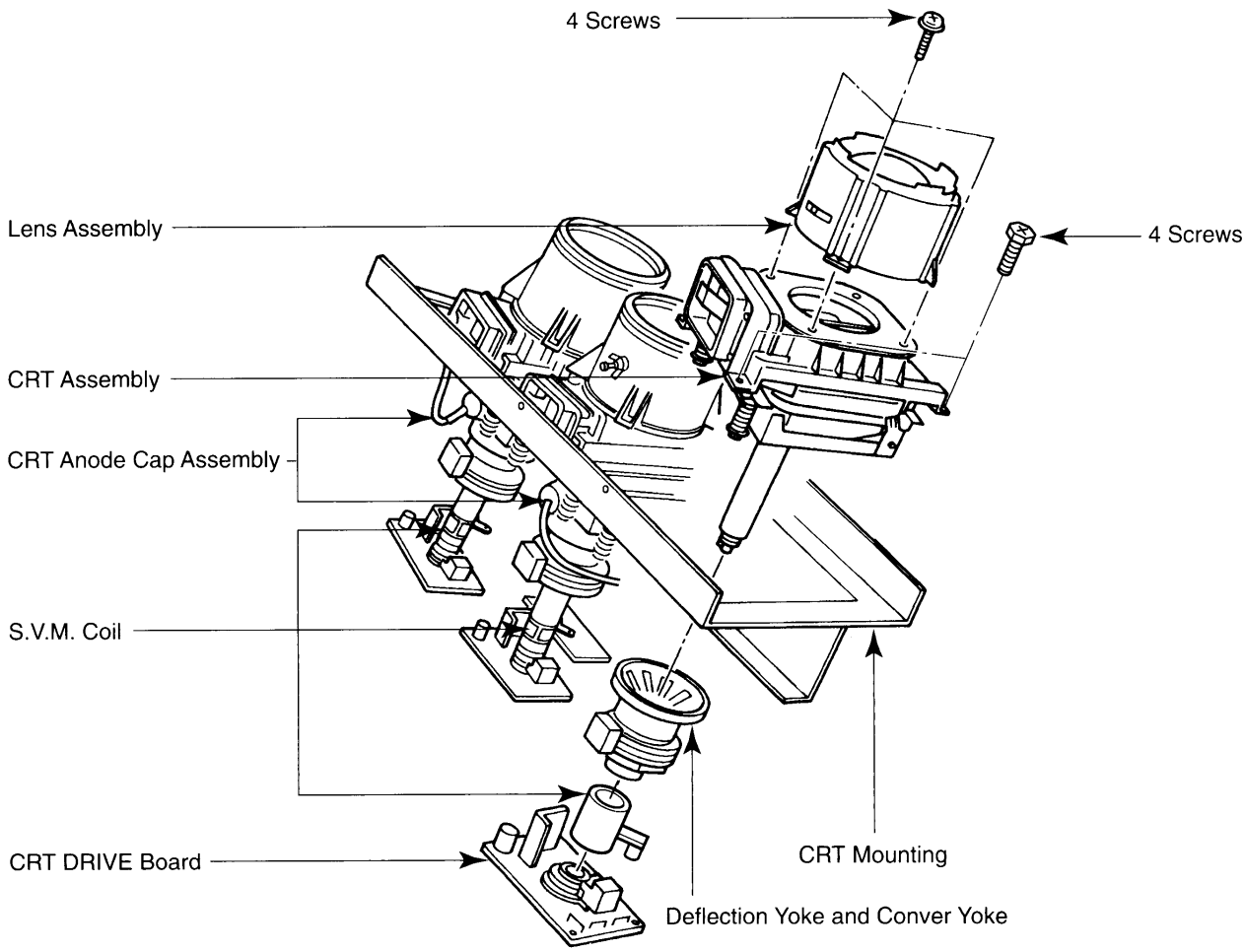
CAUTION : DO NOT LOOSEN THE HEX HEAD BOLTS WITH SPRINGS (12 PCS), BECAUSE THOSE ARE FOR SEALING OF CRT COOLANT.



Attention Serviceman



The Hex Head Bolts with Springs. (see sketch) used on CRT assembly, are "NOT" Adjustment Screws DO NOT LOOSEN-FLUID LEAKAGE WILL OCCUR.



Lens and Neck Components View

TO REMOVE CRT (Same procedure for R, G, B)

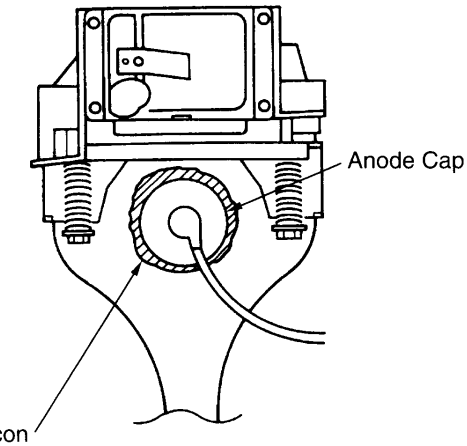
1. Remove CRT DRIVE Board, S. V. M. COIL and DEF. YOKE from CRT.
2. Remove Lens Assembly.
3. Detach CRT Anode Cap from CRT.
4. Remove CRT Assembly from CRT Mounting.

CRT REPLACEMENT (Same procedure for R, G, B)

Reverse the removal procedures except the followings.

1. Anode Cable should be replaced with new one. See "SERVICING PRECAUTIONS" shown below.
2. Install silicon (T461B) to the CRT, replace the Anode cable and put enough silicon again on around the Anode Cap as illustrated.

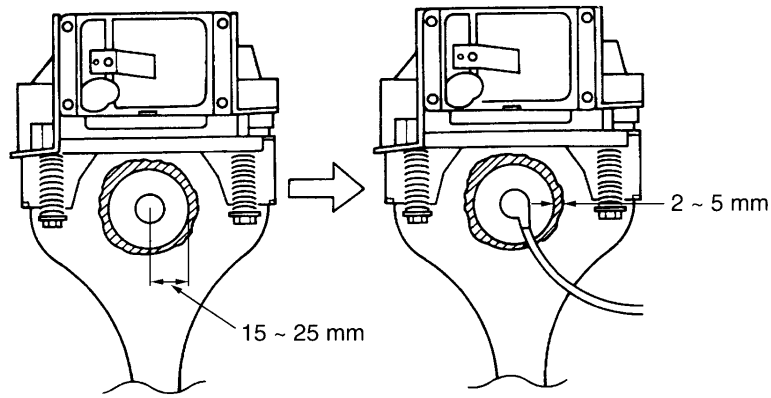
CAUTION: Align the Anode cable as illustrated on page 4.



ADJUSTING PROCEDURE IN REPLACING CRT

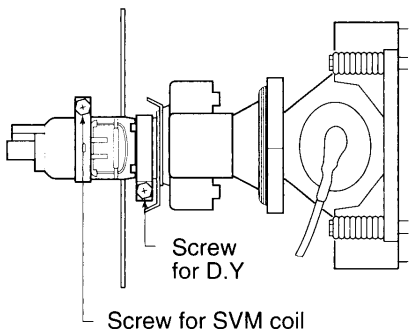
1. R.G.B. CUTOFF (SCREEN VR) ADJUSTMENT (page 6.)
2. R.G.B. FOCUS ADJUSTMENT (page 6.)
3. PICTURE TILT ADJUSTMENT (page 6.)
4. CENTERING ADJUSTMENT (page 6.)
5. CONVERGENCE ADJUSTMENT (page 20.)
6. WHITE BALANCE ADJUSTMENT (page 14.)

Adjustments are complete.



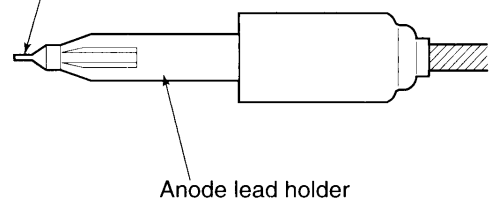
SERVICING PRECAUTIONS

■ Do not use a magnetized screw driver for screws of Deflection Yoke and Velocity Modulation Coil to avoid magnetization of electron gun. Magnetization of electron gun will degrade basic function and result in unbalance of right and left shift of user static convergence, and result in no variable quantity.



■ When replacing the anode cap assembly (CRT) or anode lead assembly (F.B.T.), remove the anode lead holder from old one and attach the holder again to new anode lead.

■ Check the point of anode lead in a straight line, if it is winding, please revise it.



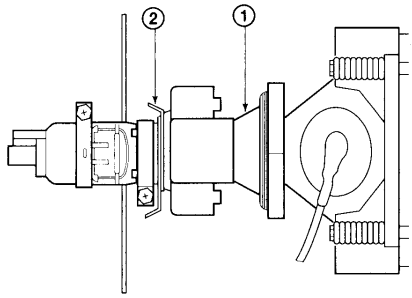
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

PICTURE TUBE COMPONENTS ADJUSTMENT

ADJUSTING PROCEDURE IN REPLACING CRT

Cutoff → Lens focus → Electrical focus → Yoke horizonta → User convergence center check → Centering (PAL) → Convergence adjustment (PAL/NTSC) → Sub bright adjustment → White balance → End

DESCRIPTION OF NECK COMPONENTS



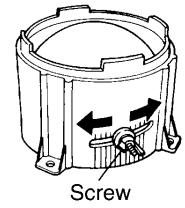
① Deflection yoke and convergence yoke.
The position on the neck is required most front (CRT funnel side) and the screw is fastened after rotating yoke adjusting picture tilt.

②Centering magnet
After adjusting picture tilt, picture position is finally fixed by this magnet.
In order to get maximum margin of user convergence control for center of screen, this magnet have to be used for center convergence adjustment.

PREPARATION
Operate the receiver for at least 5 minutes.

R, G, B FOCUS ADJUSTMENT

1. Before adjusting the R, G, B FOCUS, remove the 4 screws of Lens Assembly which is fixed on the CRT Assembly. (See page 4.)
   Then turn around the Lens Assembly by 180° to adjust the fastening screw and fasten the 4 screws to secure Lens Assembly.
2. Select the adjustment mode. (See page 10.)
3. Press " ⇥♪⇤ " button to display the built-in cross-hatch.
4. Press " 🔊 " and " ♪ " buttons to make the picture a signal Red coloer.
   - ◪ button ..... to erase Red color
   - 🔊 button ..... to erase Green color
   - ♪ button ..... to erase Blue color
5. Loosen the fasten screw and adjust Red lense focus to best focusing point of picture center. Then fasten the screw.



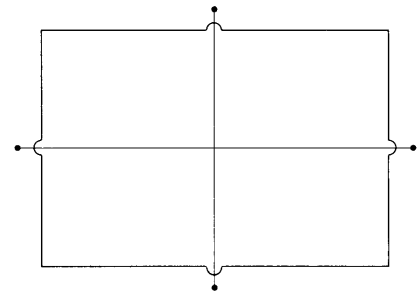
6. Adjust FOCUS VR "R" of FOCUS PAC to find best focusing point of picture center.
7. Repeat steps 3 to 5 for Green and Blue colors.

TILT ADJUSTMENT

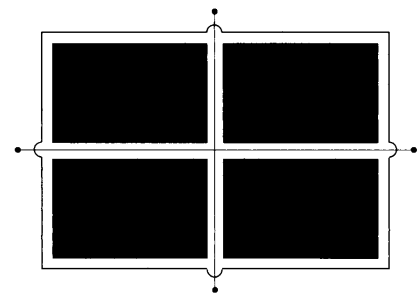
Rotate R, G, B deflection yoke so that picture becomes horizon, then fasten screw.

CENTERING ADJUSTMENT

1. Stretch a thread between two center slots of screen edge (top and bottom, left and right).



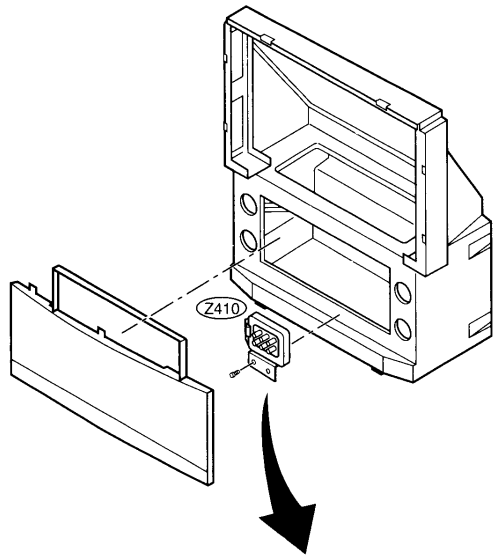
2. Select the adjustment mode. (See page 10.)
3. Press TV/VIDEO button on the Remote Control to display the white cross-bar.

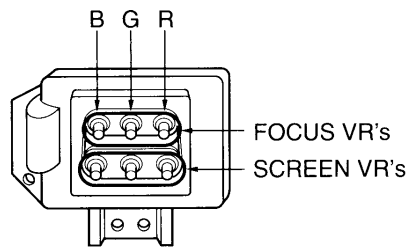


4. Adjust G centering magnet so that the cross-bar pattern center comes to screen center.
5. Perform HEIGHT adjustment . (See page 13.)
6. Perform WIDTH adjustment. (See page 13.)
7. Check whole quality of green line.
8. Adjust R, B centering magnet so that the cross-bar pattern center comes to screen center.

LOCATION OF SCREEN AND FOCUS VR'S

To remove the Speaker grille and Front panel.





REPLACEMENT OF HIGH VOLTAGE CABLE

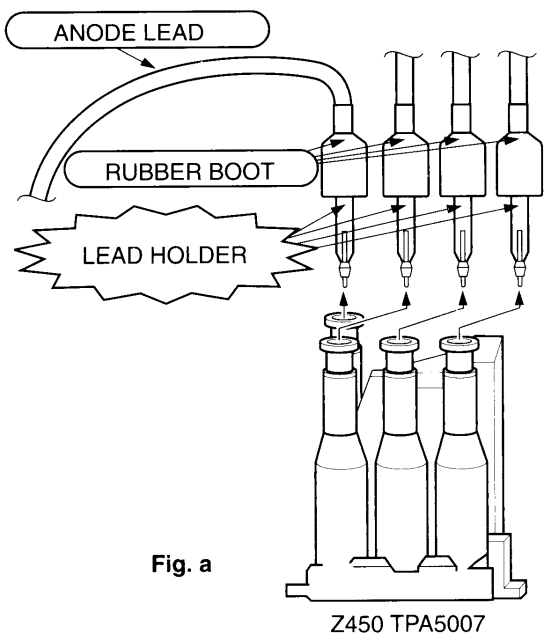


Fig. a

1. When replacing Anode Lead or Anode Cap with new one, remove Lead Holder from old lead as shown in figure below, and put it on new lead. Do not throw away Lead Holder.

NOTE : THE LEAD HOLDER IS ATTACHED TO TPA5007 (Z450), BUT IS NOT ATTACHED TO ANODE LEAD AND ANODE CAP. RUBBER BOOT IS ATTACHED TO ANODE LEAD AND ANODE CAP.

2. Detaching Lead Holder

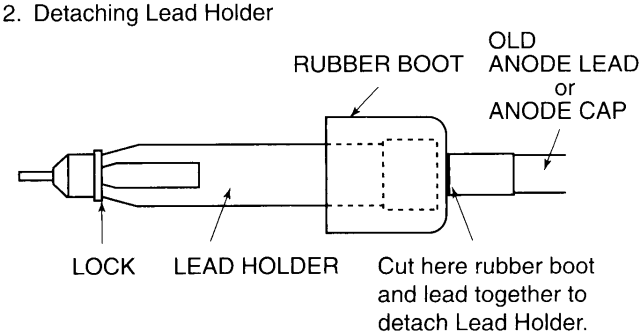


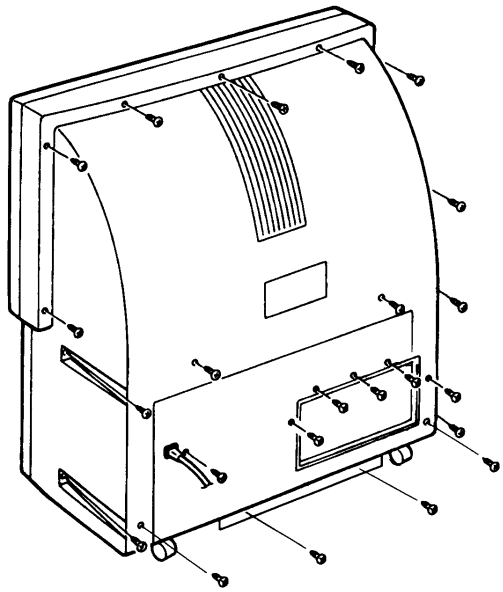
Fig. b

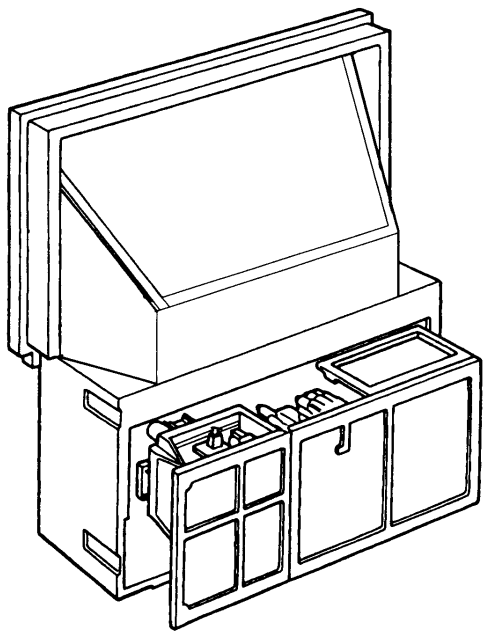
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

SERVICE POSITION

■ BACK COVER REMOVAL

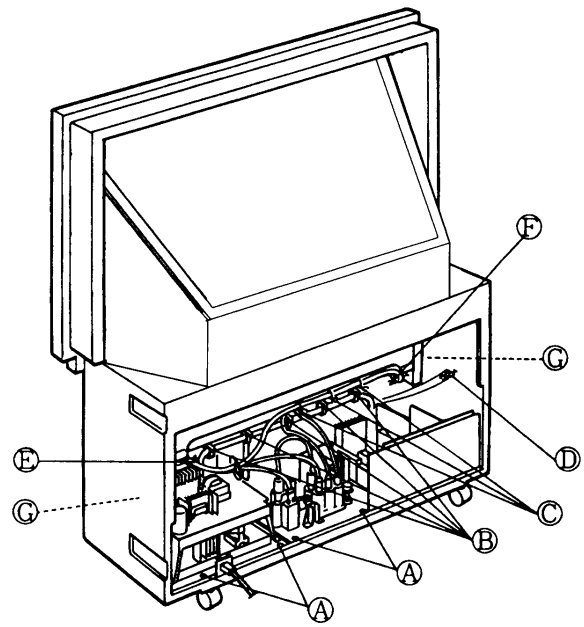
1. Remove 21 screws securing the back cover.
2. Gently remove the back cover.





■ DRAWING OUT THE CHASSIS

1. Remove 4 screws Ⓐ from chassis.
2. Remove lead wires Ⓑ, Ⓒ, Ⓓ, Ⓔ and Ⓕ from holders on the chassis.
3. Remove speaker plugs Ⓖ from connectors.
4. Remove lead wires of front side from lead holders and draw out the chassis slightly.
5. Draw out the chassis.



Note: After repair work finished, replace it in the opposite procedure.
In order to assure the performance, processed wires shall be replaced after the repair work.

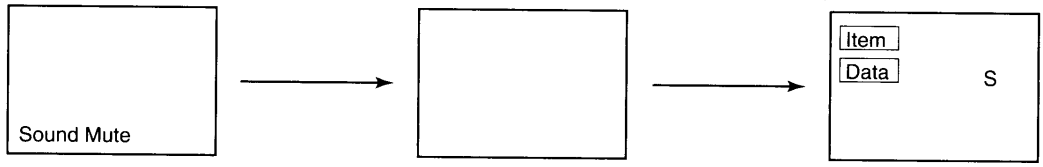
SERVICE MODE

1. ENTERING TO SERVICE MODE

1) Press MUTE button once on Remote Control.

2) Press MUTE button again to keep pressing.

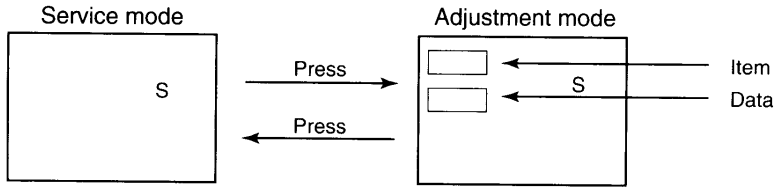
3) While pressing the MUTE button, press MENU button on TV set.



(Service mode display)

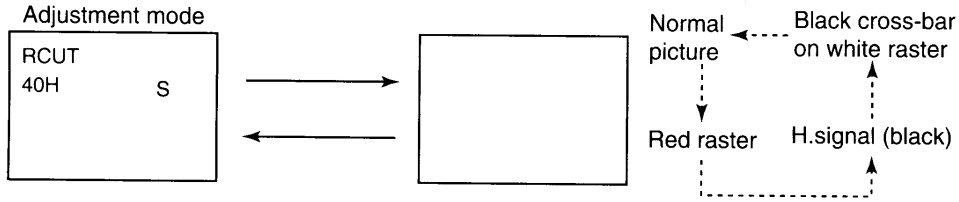
2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV



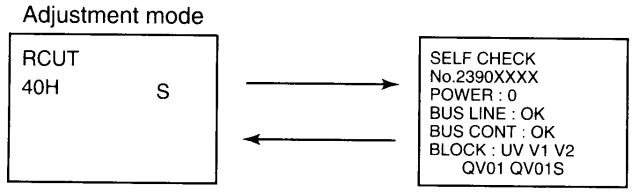
3. TEST SIGNAL SELECTION

1) Press TV/VIDEO button on Remote Control.



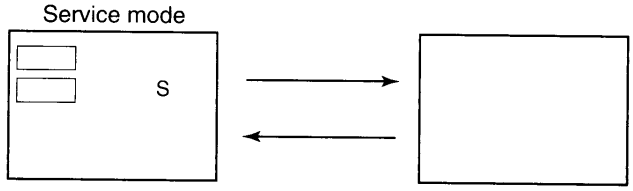
4. SELF DIAGNOSTIC FUNCTION

1) Press "9" button on Remote Control.



5. CONVERGENCE ADJUSTMENT

1) Keep press "F" button, and press "Yellow" button on Remote control.



6. EXIT FROM SERVICE MODE

1) Press Main Power Switch to turn off the TV once.

7. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

Screen adjustment mode ON/OFF:	⊕ button (on TV) or –/-- button (on Remote)
Test signal selection :	⊕ button (on Remote)
Selection of the adjustment items :	Channel ▲/▼ (on TV or Remote)
Change of the data value :	Volume ◿ +/– (on TV or Remote)
Adjustment menu mode ON/OFF :	MENU button (on TV)
Initialization of the memory (QA02) :	CALL + Channel button on TV (▲)
Reset the count of operating protect circuit to "00":	CALL + Channel button on TV (▼)
"RCUT" selection :	1 button
"GCUT" selection :	2 button
"BCUT" selection :	3 button
"CNTX" (or "SCNT") selection :	4 button
"COLC" (or "SCOL") selection :	5 button– – – – Color thickness correction
"TNTC" selection :	6 button note: Displayed differently as shown below, de-
Convergence adj :	⇥⇤ button pending on the setting of the receiving color
Test audio signal ON/OFF (1kHz) :	8 button system.
Self diagnostic display ON/OFF :	9 button COLP (PAL)
	COLC, SCOL (NTSC)
	COLS (SECAM)

CAUTION : Never try to perform initialization unless you have changed the memory IC.

8. SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2.
(▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode.
(See SETTING & ADJUSTING DATA on page 31)

9. ADJUSTING THE DATA

1) Pressing of VOLUME ◿ +/– button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

■ INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

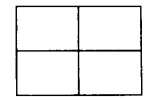
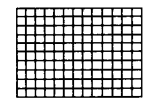
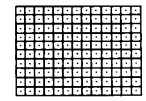
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform "Auto search Memory" on the owner's manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

10. TEST SIGNAL SELECTION

1) Every pressing of ⊕ button on the Remote Control changes the built-in test patterns on screen as described below in SERVICE MODE.

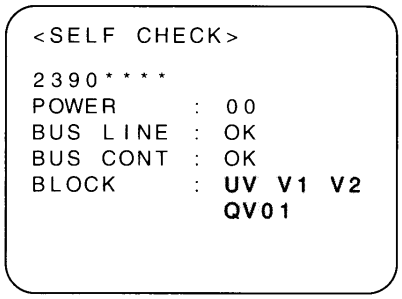
Signal off → NTSC signals (14 patterns)
↑ PAL signals (14 patterns) ←

Signals	Picture
• **Red raster** • **Green raster** • **Blue raster** • All Black • All White	
• Black & White	
• Black cross-bar • White cross-bar • **Black cross-bar on green raster**	
• Black cross-hatch • White cross-hatch	
• Black cross-dot • White cross-dot	
• **H signal (white)** • **H signal (black)**	

* The signals marked with are not usable to display in the Test signal for some model.

11. SELF DIAGNOSTIC FUNCTION

1) Press "9" button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC's are executed properly.
2) During diagnosis, the following displays are shown.



① Part number of microcomputer (QA01)
② Operation number of protecting circuit ----"00" is normal.
When indication is other than "00", overcurrent apts to flow, and circuit parts may possibly be damaged.
③ BUS LINE CHECK ----"OK" is normal.
"SDA1-GND" ---------- SDA-GND short circuit.
"SCL1-GND" ---------- SCL-GND short circuit.
"SCL1-SDA1" ---------- SCL-SDA short circuit.
④ BUS CONT ----"OK" is normal.
When indication shows "Q ○○○ NG", the device with the number may possibly be damaged.
⑤BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (→①1)
V2 : VIDEO 2 input mode (→①2)

Indicated color of mode now selected : Green and Red
Indicated color of other modes : White

Green : Normal
Red : The microcomputer operates to provide judgement of no video signal. The red color is still indicated though the signal is input, failure may exist in input signal line including QV01.
QV01 : In case of indication green ---Normal
In case of indication red with input signal----
Failure may exist in output line including QV01.

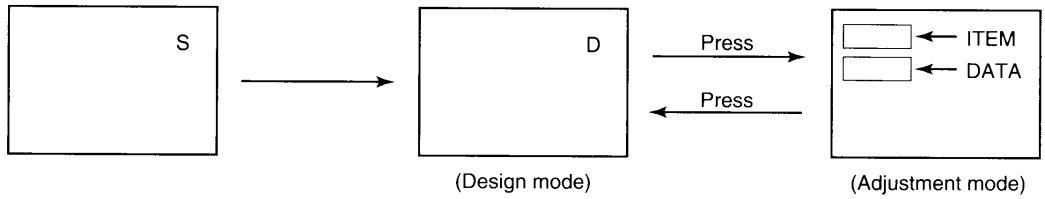
NOTE: Component which controls character display on screen is QF01 (TELETEXT IC.). If this display function fails to operate due to damage in QF01, self diagnosis procedure is as follows.
(1) In case that power indicator is blinking with interval of 0.5 seconds; it means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
(2) In case that power indicator is blinking with interval of 1 second; Protecting circuit does not operate, but a part of Bus line does not operate normally. Check Bus line.

* The items marked with are not usable to display in the SELF DIAGNOSTIC FUCTION for some model.

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing CALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



When QA02 is initialized, items "OPT0" and "OPT1" of DESIGN MODE are set to the data of the representative model of this chassis family.
Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of items "OPT0" and "OPT1".

2. SELECTING THE ADJUSTING ITEMS

Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3. (▲ button for reverse order)

Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 32)

3. ADJUSTING THE DATA

Pressing of VOLUME ▲ or ▼ button will change the value of data.

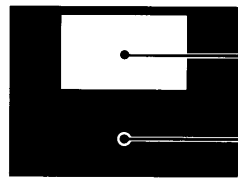
ELECTRICAL ADJUSTMENT

PAL

ITEM	ADJUSTMENT PROCEDURE
WIDTH (WID)	1. Select picture size WIDE mode. 2. Call up the adjustment mode display, and press the TV/VIDEO button on the remote untill the white cross dot pattern appears on the screen. 3. Press the CHANNEL ▲ or ▼ button to select the item **WID** and press the VOLUME ▲ or ▼ button to get the pictuer so the left and right edges of rester begin to lack. 4. Press the VOLUME ▲ or ▼ to advance the data 22 steps. * CAUTION "**WID**" data don't adjust other picture size, only WIDE mode.
HEIGHT (HIT)	1. Call up the adjustment mode display, then select the item **HIT**. 2. Press the VOLUME ▲ or ▼ button to get the picture so the top of raster begins to lack. 3. Press the VOLUME ▲ button to advance the data by following steps. WIDE: 7 steps Super Live: 11 steps CINEMA: 10 steps * CAUTION First adjust WIDE mode next other. Note : Check the vertical picture position is correct.

NTSC

WIDTH (NWID)	1. Select picuter size wide mode. 2. Call up the adjustment mode display, and press the TV/VIDEO button on the remote untill the white cross dot pattern appears on the screen. 3. Press the CHANNEL ▲ or ▼ button to select the item **WID** and press the VOLUME ▲ or ▼ button to get the pictuer so the left and right edges of rester begin to lack. 4. Press the VOLUME ▲ or ▼ to advance the data 16 steps. 5. Change picture size Super Live and CINEMA adjust "NWID" data same value for WIDE mode.
HEIGHT (NHIT)	1. Call up the adjustment mode display, then select the item **HIT**. 2. Press the VOLUME ▲ or ▼ button to get the picture so the top of raster begins to lack. 3. Press the VOLUME ▲ button to advance the data by following steps. WIDE: 7 steps Super Live: 13 steps CINEMA: 10 steps Note : Check the vertical picture position is correct.

ITEM	ADJUSTMENT PROCEDURE
WHITE BALANCE (RCUT) (GCUT) (BCUT) (RDRV) (BDRV)	Black and White pattern  High light area Adjust "RDRV" or "BDRV" to be white. Low light area Fine adjust "RCUT", "GCUT" or "BCUT" to be black. 1. Set user control to reset position. (CONTRAST → Min. BRIGHTNESS, COLOR, TINT → Center.) 2. Call up the adjustment mode display, then select the item RCUT. 3. Adjust the data of items **RCUT**, **GCUT**, and **BCUT** to "40H". 4. Press the ⊖ button on PJTV. (Y-MUTE : ON) 5. Gradually rotate R, G and B screen volume of FOCUS PAC clockwise or counterclockwise until the raster appears slightly on the CRT through the each lens, and leave them. (Lookin to the lens in order to check the raster.) 6. Press the ⊖ button on PJTV. (Return to Normal Picture) 7. Press the ⊖ button on Remote, and select the Black and White pattern. 8. Adjust the data of items **RCUT**, **GCUT** and **BCUT** for proper white-balanced picture in low light area. 9. Adjust the data of items **RDRV** and **BDRV** for proper white-balanced picture in high light area. 10. Check the white balance in both low and high light areas. If necessary, perform again steps from 8 to 9.

(Reference factory adjustments)

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
[SCNT]	Sub-contrast	Dynamic mode	Sub-bright signal (PAL-I signal)	Q501#55 (TP501)	Adjust the amplitude from the pedestal level to the white peak.	2.4 ± 0.2 Vop
[BRTC]	Sub-bright center	Dynamic mode	Sub-bright signal	Screen adjustment	1) Adjust the number of collapsed black lines of sub-bright signal. 2) This adjustment shall be done after W/B [SCNT] adjustment.	5 ± 1.5 lines
[COLP]	Sub-color center PAL	Dynamic mode	Sub-bright signal (PAL)	Q501#55 (TP501)	1) Adjustment the color bar amplitude. 2) Adjust the P-P value of the upper half.	1.35 ± 0.2 Vop
[BELL]	BELL filter		SECAM color bar	QQ01#21 (TPM01)	1) Adjust [BELL] so that the waveform on the synchroscope becomes flat. 2) Perform this adjustment at the white part.	100 ± 10%
[SRY]	SECAM R-Y black level	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1) Adjust [SRY] so that the level of B/W signal becomes the same as the H.BLK level. 2) This adjustment shall be done after [COLS] and [BELL] adjustments.	0 ± 40mV
[SBY]	SECAM R-Y black level	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1) Adjust [SBY] so that the level of B/W signal becomes the same as the H.BLK level. 2) This adjustment shall be done after [COLS] and [BELL] adjustments.	0 ± 40mV
[COLS]	Sub-color center SECAM	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1) Adjust the amplitude of color bar. (Apply picture mute for this adjustment.) 2) Adjust the P-P value of the upper half.	1.75 ± 0.2 Vop

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
Screen adjustment	Screen	Factory screen adjustment mode		CRT tube surface	1) Make the surrounding as dark as possible. 2) Set to the factory screen adjustment mode. (Y mute, DRV. CUT=40H) 3) Observing the CRT tube surface directly, adjust the screen VR to the point where the tube starts to be bright. 4) Perform this adjustment for each R, G and B tube.	Point where the tube starts to glow.
Focus adjustment	Focus	Dynamic mode Picture size CINEMA	RETMA (PAL-I)	Screen Adjustment	1) Repeat the electric focus and optical focus adjustments for the best position. 2) As to CRTs other than the one for the adjustment, shield them with a jig. 3) Perform this adjustment for each R, G and B tube.	
[RDRV] [BDRV]	White balance at bright part			Screen adjustment	Adjust the color temperature at the bright part (103cd/m^2).	8750K-0.002uv
[RCUT] [BCUT]	White balance at dark part			Screen adjustment	Adjust the color temperature at the dark part (17cd/m^2).	8750K-0.002uv
High voltage adjustment	High voltage	Dynamic mode Picture size WIDE	Phillips pattern (PAL-I)	between T461 and Z450	Connect a high-voltage meter in between T461 and Z450, and adjust high voltage. (user adjustment standard)	30.7 ± 0.2kV
Picture postion adjustment		Dynamic mode Picture size WIDE	Phillips pattern (PAL-I)	Screen adjustment	1) Adjust the centering magnet so that the Horizontal Vertical position comes to the center of the dummy screen (cross pattern). 2) Do not change [HPOS] [VPOS] data.	

Item	Name	Setting	Input signal	Measurement point	Adjustment procedure	Standard limit
PICTURE POSITION ADJUSTMENT		Dynamic mode	Philips pattern (PAL-I) WIDE	Screen watching	1) Adjust vertical and horizontal picture positions by adjusting the centering magnet so that the center "+" mark on dummy screen matches to that on Philips pattern. Perform above adjustment on R, G, and B tube respectively. Caution: Do not change HPOS and VPOS data.	Diameter 7mm or less
HIT VLIN	PAL WIDE Vertical height adjustment	Dynamic mode	Philips pattern (PAL-I) WIDE	Screen watching	1) Set the screen size to WIDE. 2) Adjust vertical height so that flags on top and bottom just touch screen edges. Caution: Adjust HIT, VLIN and the centering magnet so that the center "+" mark on dummy screen matches to that on Philips pattern. Adjust the centering magnet R and B tubes after G tube alignment. Perform color adjustment at center, and put adhesive to fix.	Top and bottom flags just touch edges.
HIT	PAL Superlive vertical adjustment	Dynamic mode	Philips pattern (PAL-I) Superlive	Screen watching	1) Set the screen size to Superlive. 2) Adjust the screen with HIT data so that top and bottom of inner circle of Philips pattern just touches the screen edges. Caution: Do not perform VLIN adjustment.	Inner circle just touches the screen edge.
HIT VLIN	PAL CINEMA vertical adjustment	Dynamic mode	Philips pattern (PAL-I) CINEMA	Screen watching	1) Set the screen size to CINEMA. 2) Adjust the cross marking on top and bottom of Philips pattern as shown in the test pattern on other page in this manual. Caution: Do not touch the centering magnet.	

Item	Name	Setting	Input signal	Measurement point	Adjustment procedure	Standard limit
WID	PAL WIDE	Dynamic mode	Philips pattern (PAL-I) WIDE	Screen watching	1) Set the screen size to WIDE. 2) Adjust pattern so that the left and right flags of Philips pattern just touch screen edges. Perform above adjusting on R, G, and B tube Caution: User center position should be adjusted at center(0).	
NHIT NLIN	NTSC WIDE Vertical height adjustment	Dynamic mode	Mono-sco signal NTSC Leader-435B	Screen watching	1) Set the screen size to WIDE. 2) Adjust the screen so that the 1st line at bottom should be hidden under mask. 3) Picture should be well balanced at top and bottom.	
NHIT	PAL Superlive vertical adjustment	Dynamic mode	Mono-sco signal NTSC Leader-435B	Screen watching	1) Set the screen size to Superlive. 2) Adjust the screen so that the 10 th lines at bottom of Philips pattern just become visible. 3) Do not perform NVLI adjustment.	
NHIT NLIN	NTSC CINEMA vertical adjustment	Dynamic mode	Mono-sco signal NTSC Leader-435B	Screen watching	1) Set the screen size to CINEMA. 2) Adjust the screen so that the 7 th lines at bottom of Philips pattern just become visible.	
NWID	NTSC WIDE horizontal adjustment	Dynamic mode	Mono-sco signal NTSC Leader-435B		1) Set the screen size to WIDE. 2) Adjust the 2 nd cross marking on left of Philips pattern to left edge of screen. 3) When changing the (NWID) value at WIDE screen, input the same data as that on WIDE to SUPERLIVE and CINEMA as well.	Right cross mark 2.5 +1 lines.

* CAUTION
Deflection datas are linked with PAL WIDE mode data.
So, first, adjust WIDE mode data, then other PAL data next NTSC mode datas. If adjust PAL WIDE mode data after finished adjustment other mode datas, you have to readjust other mode datas.

Unit adjustment : DIGITAL-CONVER

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
PLL frequency adjustment				Q709 emitter	1) Apply the following voltages to the respective terminals of P701. +5V to the terminals #15 and #16 +9V to the terminal #13 –9V to the terminal #14 2) By L719, adjust the frequency of the emitter Q709.	32 ± 0.1Mhz

CONVERGENCE ADJUSTMENT

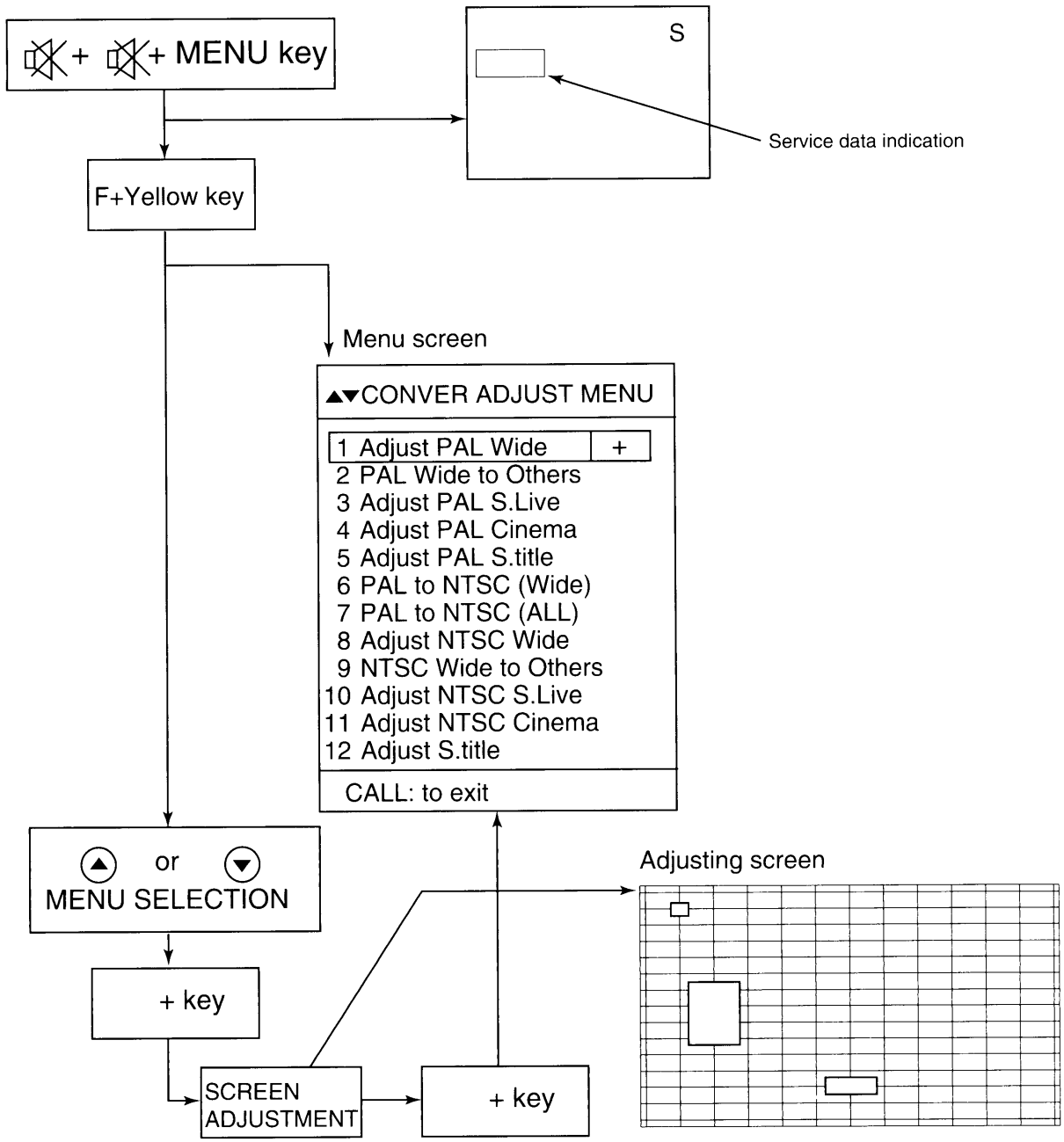
1. Screen Adjustment

The four PAL screens Wide/4:3, Super Live, Cinema and Subtitle, and the four NTSC screens Wide/4:3, Super Live, Cinema and Subtitle are adjusted. When adjusting, input an external signal for matching the sync.

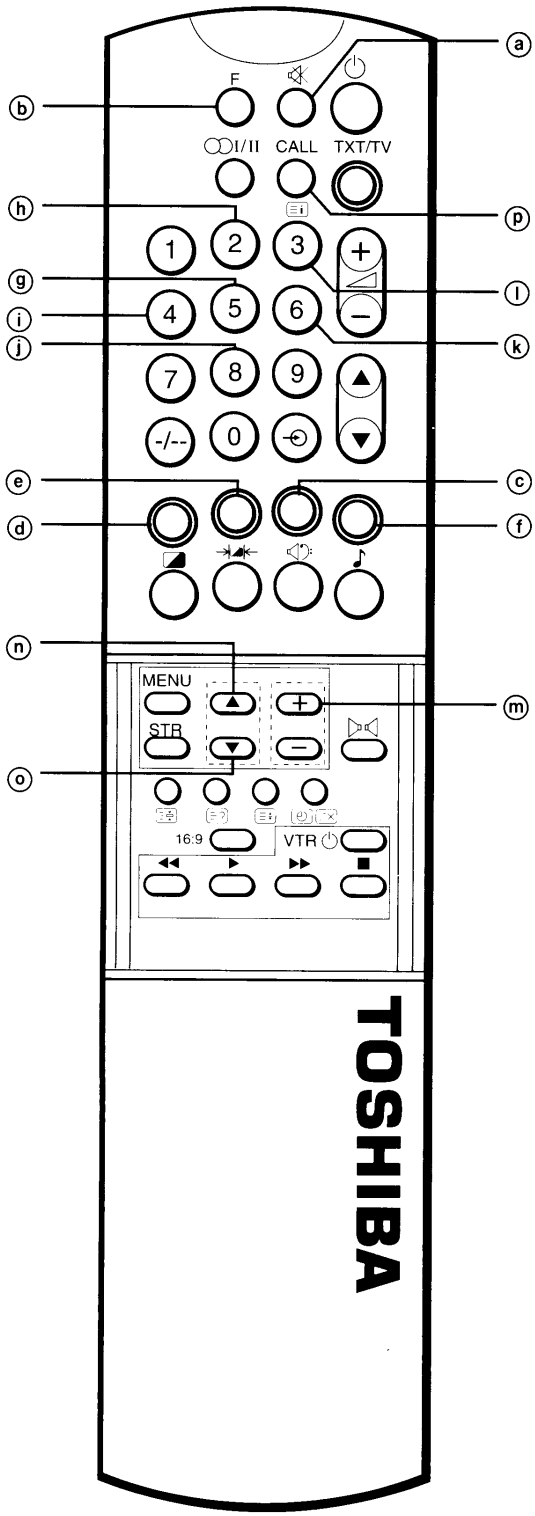
> CAUTION: The convergence circuit eliminates screen distortion but cannot make large corrections such as changing the overall screen size. Use caution because the protection circuit will be activated if corrections are excessively large. Before starting to adjust the various screens, always adjust the vertical size (HIT) and horizontal size (WID) by changing the main deflection data.

Execute the adjustment screens in the sequence Wide/4:3 -> Super Live -> Cinema -> Subtitle for both PAL and NTSC.

1-1. Entering Adjustmet Menu



1-2. Remote Control Key



ⓐ 🔇 key : Push this key twice and the set console menu key to enter the service mode.
ⓑ F key : Push this key and yellow key to enter the convergence menu.
ⓒ Yellow key : Convergence menu key.
ⓓ Red key : Red test pattern ON/OFF.
ⓔ Green key : Green test pattern ON/OFF.
ⓕ Blue key : Blue test pattern ON/OFF.
ⓖ 5 key : Cursor shift / data change mode change-over.
ⓗ 2 key : Cursor up / adjusting point up.
ⓘ 4 key : Cursor left / adjusting point left.
ⓙ 8 key : Cursor down / adjusting point down.
ⓚ 6 key : Cursor right / adjusting point right
ⓛ 3 key : Censor color change (Adjusting color selection).
ⓜ + key : Execution key on convergence menu.
ⓝ ▲ key : Up key on convergence menu.
ⓞ ▼ key : Down key on convergence menu.
ⓟ CALL key : Termination key on convergence menu.

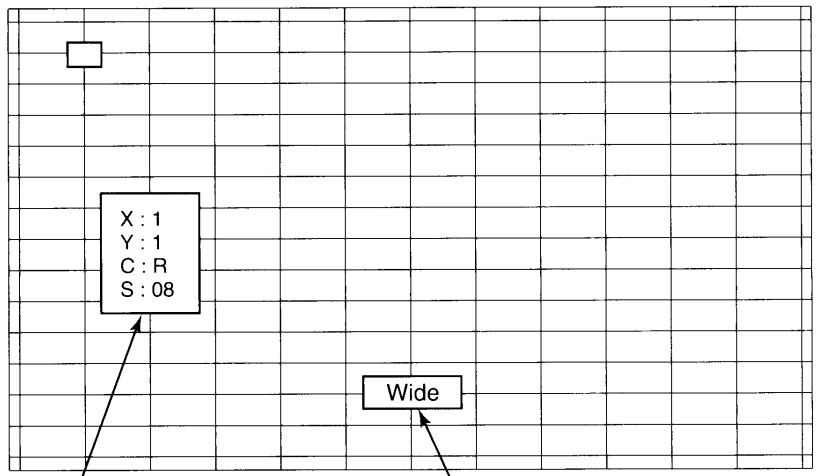
1-3. Adjusting Screen

1) Adjusting menu

NO	Item	Description
1	Adjust PAL Wide	Used for manual adjustment of the Wide/4:3 screen in the PAL mode. Returns to the original screen data screen before data conversion, explained below.
2	PAL Wide to others	Automatically saves approximate supplementary data for the other PAL screens based on the PAL Wide/4:3 screen data. First, the PAL Wide/4:3 screen data are converted to Super Live and the values are saved. Next, the data are converted to Cinema and the values are saved. Finally, the data are converted to Subtitle and the values are saved, and then the operation ends. Manually check the other screen modes as described below and make corrections if distortion, etc., is present. Please be aware that all PAL screens are re-adjusted when this menu is selected and executed.
3	Adjust PAL S.Live	Used for manual adjustment of the PAL Super Live screen. Select this mode for Super Live screen color matching and distortion adjustment. Use the specified dimensions when adjusting.
4	Adjust PAL Cinema	Used for manual adjustment of the PAL Cinema screen. Select this mode for Cinema screen color matching and distortion adjustment. Use the specified dimensions when adjusting.
5	Adjust PAL S.title	Used for manual adjustment of the PAL S.title screen. Select this mode for S.title screen color matching and distortion adjustment. Use the specified dimensions when adjusting.
6	PAL to NTSC (Wide)	PAL Wide/4:3 screen data is calculated, converted to NTSC Wide/4:3 approximate data and saved. To assure accurate adjustments, select the manual mode explained below and check, then apply color matching and distortion adjustments.
7	PAL to NTSC (All)	Data for all PAL screens is converted to approximate data for the NTSC screens and saved. To assure accurate adjustments, select the manual mode explained below and check, then apply color matching and distortion adjustments.
8	Adjust NTSC Wide	Used for manual adjustment of the NTSC Wide/4:3 screen. Select this mode for Wide/4:3 screen color matching and distortion adjustment. Use the specified dimensions when adjusting.
9	NTSC Wide to others	Approximate supplementary data for the other NTSC screens is automatically saved based on the NTSC Wide/4:3 screen data. First, the NTSC Wide/4:3 screen data are converted to Super Live and the values are saved. Next, the data are converted to Cinema and the values are saved. Finally, the data are converted to Subtitle and the values are saved, and then the operation ends. Manually check the other screen modes as described below and make corrections if distortion, etc., is present. Please be aware that all NTSC screens are re-adjusted when this menu is selected and executed.

NO	Item	Description
10	Adjust NTSC S.Live	Used for manual adjustment of the NTSC Super Live screen. Select this mode for Super Live screen color matching and distortion adjustment. Use the specified dimensions when adjusting.
11	Adjust NTSC Cinema	Used for manual adjustment of the NTSC Cinema screen. Select this mode for Cinema screen color matching and distortion adjustment. Use the specified dimensions when adjusting.
12	Adjust NTSC S.title	Used for manual adjustment of the NTSC Subtitle screen. Select this mode for Subtitle screen color matching and distortion adjustment. Use the specified dimensions when adjusting.

2) Adjustment Screen



Displayed when the cursor blinks and cleared when the cursor lights steady.

- X Cursor horizontal position display
- Y Cursor vertical position display
- C Cursor color select display
- S Menu select display

Displayed when the cursor blinks and cleared when the cursor lights steady. Displays the current screen mode.

3) Adjustment Sequence

When the initial screen opens, X = 1, Y = 1, C = R and S = [Select Menu] are displayed as the defaults. The cursor can now be moved up, down, left and right using the (2), (8), (4) and (6) keys of the remote control. Select the desired adjustment and press the (5) key; the cursor will light steady and the screen display will be cleared. Again press the (2), (8), (4) and (6) keys of the remote control to adjust the shape of the screen. When adjustment has been completed, press the (+) key to return to the Adjustment Menu. When all of the screen adjustments have been completed, turn off the main power supply of the set to reset the menu.

2. Case Study

In many cases, color matching problems can be solved by returning the HIT and WID data for main deflection to the initial adjustment values. Convergence cannot be re-adjusted in the following cases.

2-1 When the CRT has been replaced

Main deflection re-adjustment and color matching are necessary when the CRT has been replaced. Use the following procedure.

1. Replace the blue and red CRTs.
2. Perform the blue and red yoke horizontal adjustments in relation to the green CRT. Press the yokes and speed modulation coils + alignments onto the CRTs and fasten after making sure that there are no gaps.
3. Adjust the blue and red alignments (refer to the detailed alignment adjustment item).
4. Use centering magnets to center the blue and red CRTs in relation to the green CRT.
5. Adjust the main deflection HIT and WID data, using the most accurate location in relation to the green as data.
6. Use convergence to match the colors for each screen. Green will not work at this time.
7. When the convergence adjustments have been completed for all screens, then replace the green CRT.

Repeat the procedures in steps 2 - 5 for the green CRT but this time use convergence to match the colors using red and blue as reference.

2-2 When replacing the convergence unit

Generally, all of the screens must be re-adjusted when the convergence unit is replaced, but the process can be greatly shortened by using the following method.

1. Replace the memory (Q711, Q712, Q713) of the new unit with the memory (Q711, Q712, Q713) of the defective unit. This makes it possible to quickly reproduce the previous screen status when installed in the set.
2. Install the new unit with the old memory in the set and turn on the power. The entire screen will move linearly in either the vertical or horizontal direction.
3. Use centering magnets to re-adjust the green, red and blue centers.
4. There is possibility of color mismatching or differences in screen size when the various screens are checked. In such case, adjust the main deflection and apply a slight amount of convergence color matching.

2-3 When none of the above cases apply (rare case)

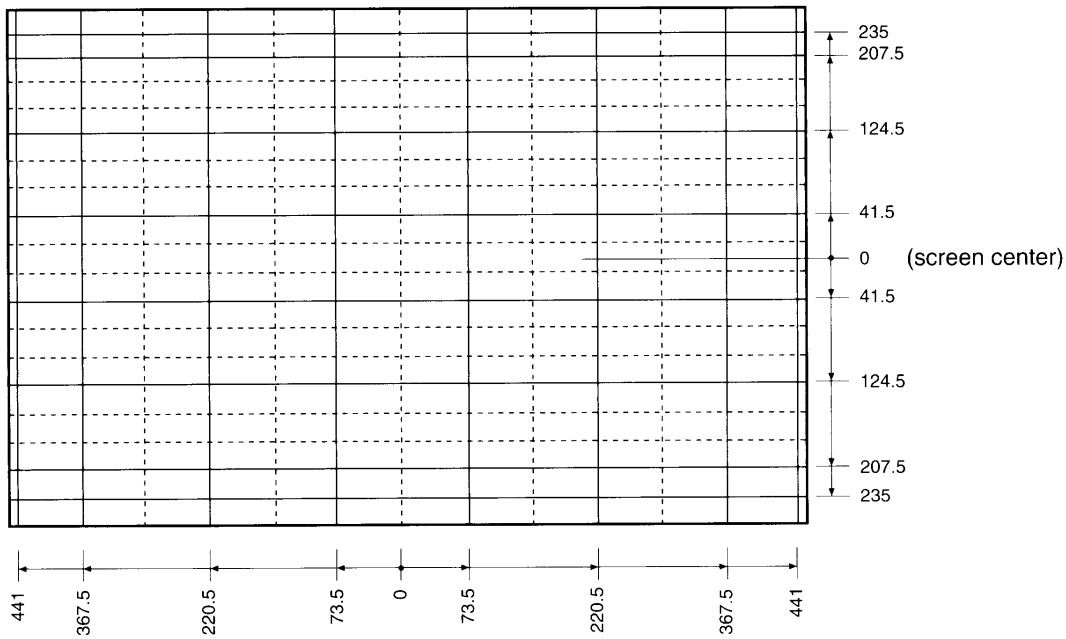
An unexpected situation or major operational error, etc., could be considered but it is recommended that all screens be matched starting from the beginning. If the initial positions of the centering magnets are unknown, disconnect the connectors for the convergence sub-yoke outputs one at a time, adjust the CRT centering and then start the following adjustments.

1. Make sure that there is plenty of room for the static cross convergence to be moved left, right, up and down. If sufficient space is not available, move to an appropriate location and then re-adjust the centering.
2. Enter the convergence adjustment mode and call out the menu. (Leave the PAL signal connected.)
3. Select 1. Adjust PAL Wide and adjust the PAL mode Wide/4:3 screen manually in accordance with the dimension diagram.
4. When the Wide/4:3 screen adjustment has been completed, return to the Main Menu and select 2. PAL Wide to others.
   The screen will change automatically and the Wide, Cinema and Subtitle screens will be created automatically.
5. Next, select 3. Adjust PAL S.Live and mainly adjust in the horizontal direction in accordance with the dimension diagram.
6. Next, select 4. Adjust PAL Cinema and fine adjust to remove any Cinema screen distortion.
7. Next, select 5. Adjust PAL Subtitle and fine adjust to remove any Subtitle screen distortion.
8. Next, select 7. PAL to NTSC (ALL), then calculate and copy the data for all PAL screens in the NTSC mode. At this time, the calculations and screen shape changes will be performed automatically and the NTSC screen data corresponding to the PAL screens will be transferred.
9. Select in sequence 8. Adjust NTSC Wide, 10. Adjust NTSC S.Live, 11. Adjust NTSC Cinema and 12. Adjust NTSC Subtitle, check the respective NTSC screen modes and, if necessary, adjust for any distortion.

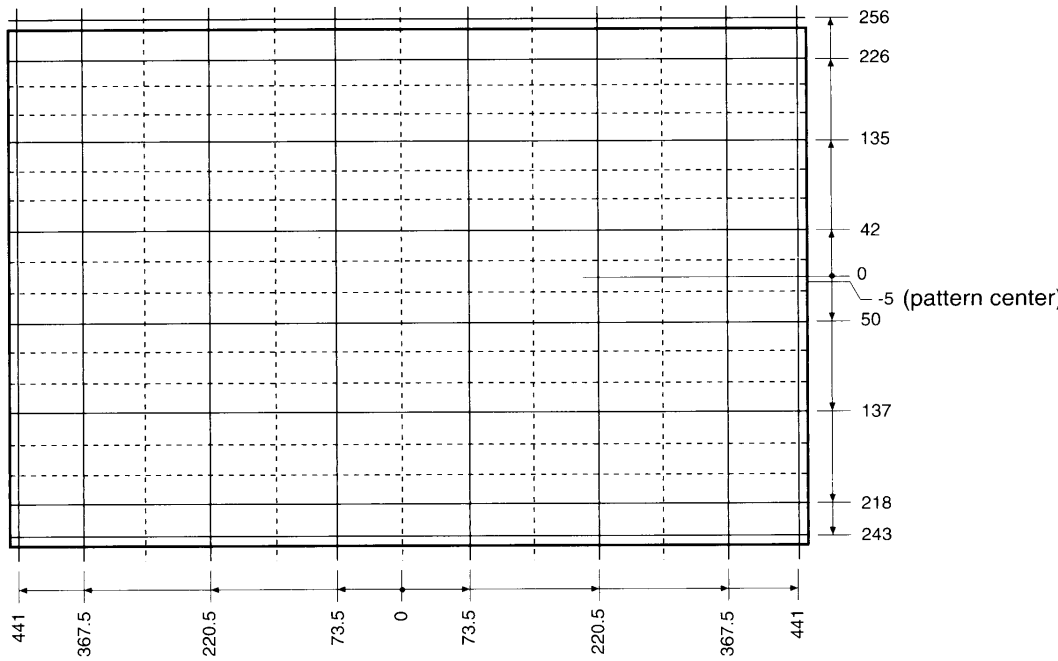
All of the screens can be adjusted with the above process but make every effort not to change the factory data unless absolutely necessary. Try not to change the convergence data any more than necessary.

3 Screen adjustment dimensions

3-1 WIDE/4:3 (PAL mode)



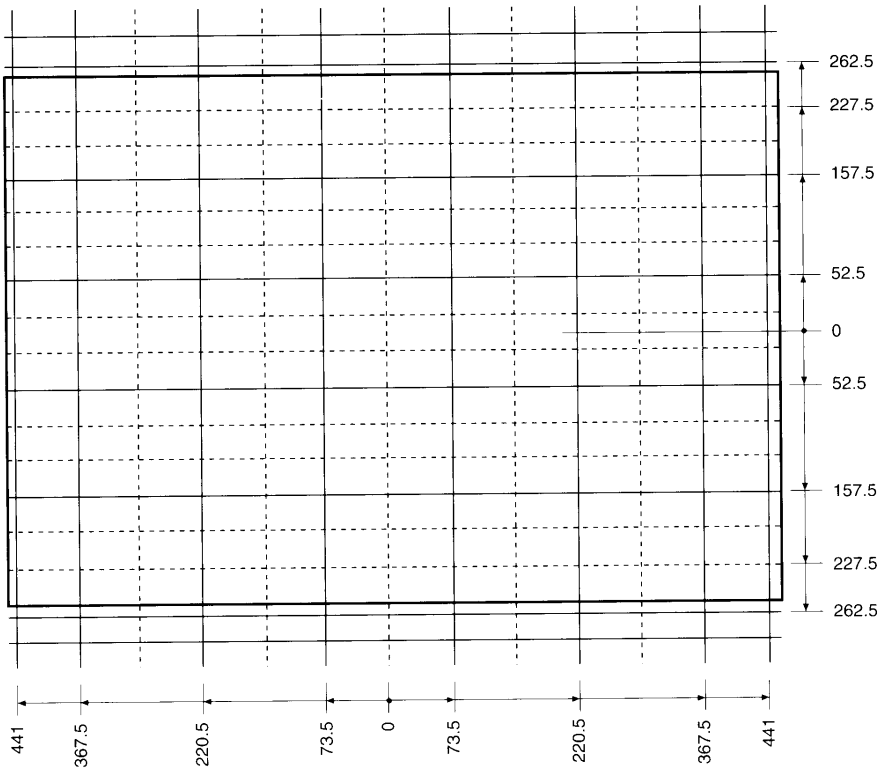
3-2 Super Wide (PAL mode)



Caution: Do not perform the VLIN adjustment.

3-3 Cinema (PAL mode)

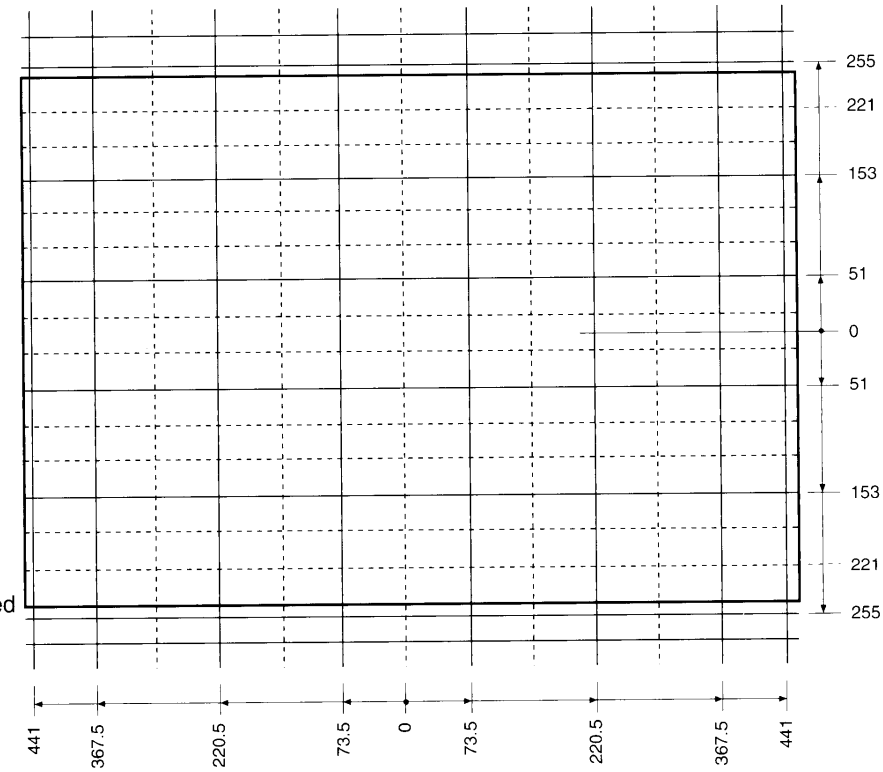
Note: The cursor will move outside the screen limits in the Cinema mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.



3-4 Subtitle (PAL mode)

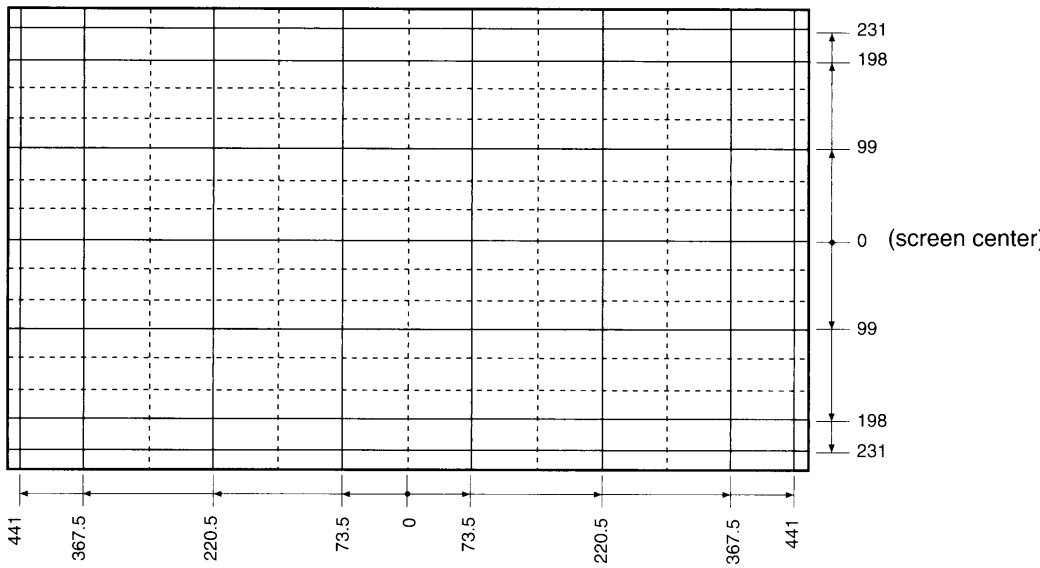
Note: The cursor will move outside the screen limits in the Subtitle mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

Note: Please be aware that the Subtitle screen convergence pattern center is located at the center of the screen but the image center is located approximately 13mm above that.

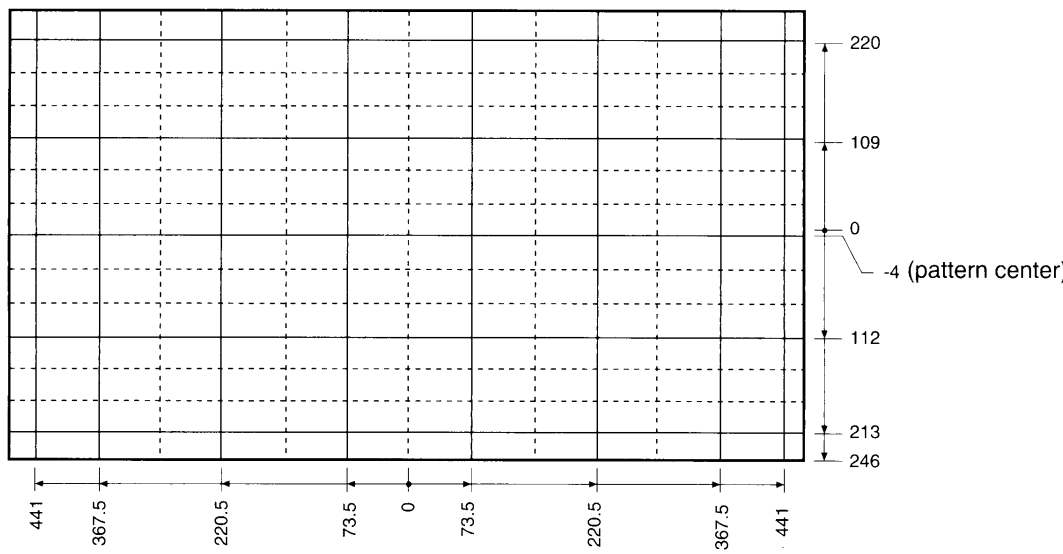


' Screen limit changed

3-5 WIDE/4:3 (NTSC mode)



3-6 Super Live (NTSC mode)

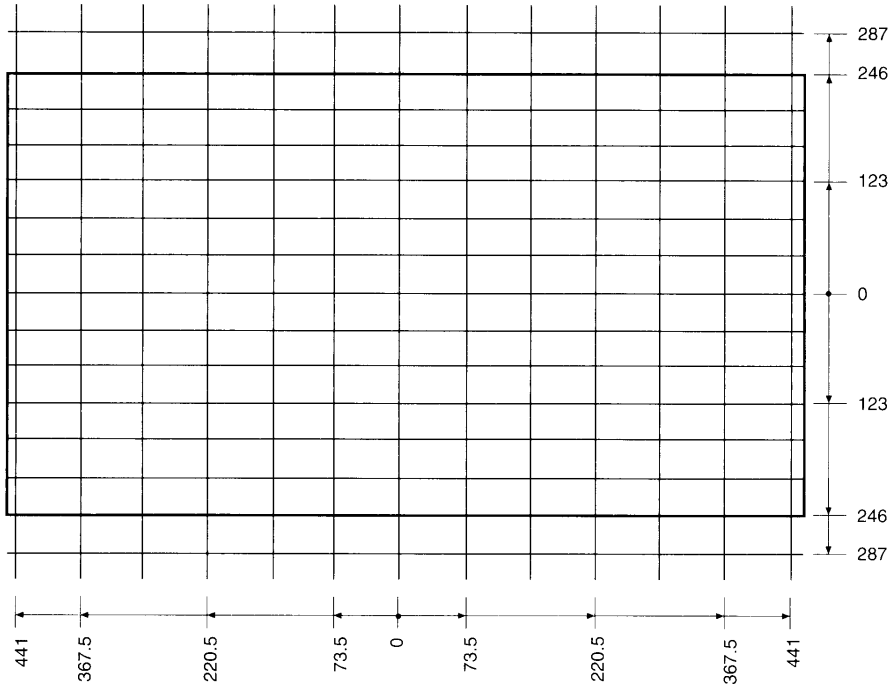


Caution: Do not perform the VLIN adjustment.

3-7 Cinema (NTSC mode)

Note: The cursor will move outside the screen limits in the Cinema mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

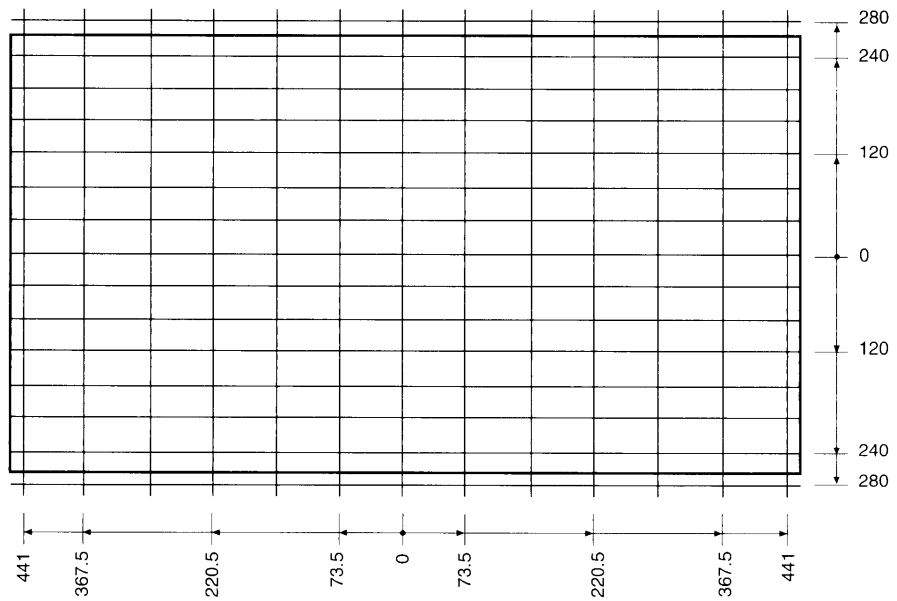
Note: Please be aware that the Cinema screen convergence pattern center is located at the center of the screen but the image center is located approximately 13mm above that.



3-8 Subtitle (NTSC mode)

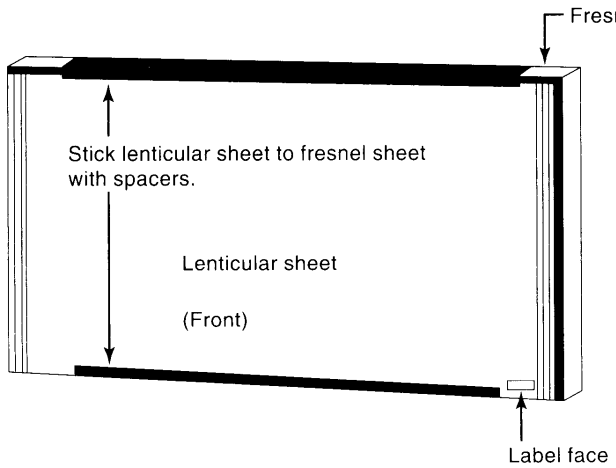
Note: The cursor will move outside the screen limits in the Subtitle mode; therefore, be careful to consider the position of the cursor displayed on the screen when making adjustments.

Note: Please be aware that the Subtitle screen convergence pattern center is located at the center of the screen but the image center is located approximately 32mm above that.

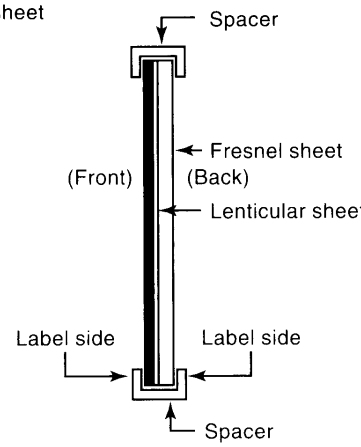


SCREEN AND MIRROR ALIGNMENTS

ASSEMBLING OF FRONT SCREEN



MOUNTING OF FRONT SCREEN



CLEANING OF LENS AND MIRROR

CAUTION : Do not hold the optical system parts (lens and mirror) with bare hand to avoid finger-prints on the surface of those parts.

HOW TO CLEAN LENS AND MIRROR

1. Be sure to remove sand dust with an air brush, etc.
2. When it is stained slightly, breathe upon it and wipe away with the specified cleaning cloth.
   For other stains than the above, wipe the stains away with the specified cloth into which a cleaning liquid has been soaked.

Cleaning liquid ..... **LENS LUSTER** (Manufactured by Edmund Scientific Co.), etc.

HOW TO CLEAN SCREEN

When cleaning the screen, use a soft cloth so as not to damage the screen.

1. Wipe the screen with a dry cloth.

Note : Absolutely do not use alcohol, benzine, thinner, water, detergent, etc. for cleaning in order not to wipe away the antistatic disposal.

CIRCUIT CHECKS

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST to minimum (zero beam current).
3. High voltage must be measured below Ⓑ kV.

   Refer to table-1 for high voltage Ⓑ.
   (See SETTING & ADJUSTING DATA on page 31)
4. Vary the BRIGHTNESS to both extremes to be sure the high voltage does not exceed the limit under any conditions.

CAUTION:

When the following parts fail, check the High Voltage after replacing.

Location No.	Name	Name
T461	Flyback Trans.	TFB3078ZD
D489	Zener Diode	MTZJ3.6B
Q480	Transistor	2SC2023
Q483	IC	TA75558S
R435	Resistor	33k ohm, ±5%
R489	Resistor	3.3k ohm, ±5%
R490	Resistor	3.3k ohm, ±5%
R450	VR	1k ohm
C440	Capacitor	1000pF, ±3%
C443	Capacitor	6800pF, ±3%
C444	Capacitor	5100pF, ±3%

ANODE VOLTAGE MEASURING METHOD

CAUTION: Take extra precaution when measuring this high voltage. High voltages are also present in surrounding circuit boards (CRT DRIVE assembly, DEFLECTION assembly, and POWER SUPPLY assembly).

1. Disconnect the FBT anode cable as outlined below. Measure high voltage at the point where the cable enters the FBT.
2. Holding the rubber cover firmly, turn it counterclockwise and check that the lock has been disengaged. (See Fig. b on page 7.)
3. Determine the extent of the rubber cover before disconnecting the cable.
4. Pull straight up the anode cable to disconnect.
5. When reconnecting the cable, proceed in the reverse order.
   After reconnecting, tug on the cable to check that it is secure.

CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【SAFETY INSTRUCTIONS】

		40"
HIGH VOLTAGE AT ZERO BEAM:	Ⓐ	30.7 kV
MAX HIGH VOLTAGE:	Ⓑ	32.5 kV
AC VOLTAGE:	Ⓒ	220~240V

Table-1

【SERVICE MODE】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Name of adjustment		Preset	Data
RCUT	R CUTOFF		40H	←
GCUT	G CUTOFF		40H	←
BCUT	B CUTOFF		40H	←
RDRV	R DRIVE		40H	←
BDRV	B DRIVE		40H	←
CNTX	SUB CONTRAST MAX		7FH	←
BRTC	SUB BRIGHT CEN		80H	←
COLC	SUB COLOR CEN NTSC		00H	←
TNTC	SUB TINT CEN		48H	←
COLP	SUB COLOR CEN PAL		39H	←
COLS	SUB COLOR CEN SECAM		00H	←
SCOL	SUB COLOR		0AH	←
SCNT	SUB CONTRAST		09H	←
HIT	PICTURE HEIGHT	(WIDE/4:3 50Hz)	28H	←
VLIN	V-LINEARITY	↓	16H	←
VSC	V-S CORRECTION	↓	26H	←
VPS	V-SHIFT	↓	12H	←
VCP	V-COMPENSATION	↓	01H	←
WID	PICTURE WIDTH	↓	26H	←
PARA	E-W PARABORA	↓	05H	←
CNR	E-W CORNER	↓	10H	←
TRAP	TRAPEZIUM	↓	40H	←
HCP	H-COMPENSATION	↓	02H	←
VFC	V-F CORRECTION	↓	0FH	←
NHPO	H-POSITION	↓	03H	←
VPOS	V-POSITION	↓	FFH	←
NHIT	PICTURE HEIGHT	(WIDE/4:3 60Hz)	00H	←
NVLI	V-LINEARITY	↓	FDH	←
NVSC	V-S CORRECTION	↓	FCH	←
NVPS	V-SHIFT	↓	00H	←
NWID	PICTURE WIDTH	↓	03H	←
NPAR	E-W PARABORA	↓	00H	←
NCNR	E-W CORNER	↓	00H	←
NTRP	TRAPEZIUM	↓	00H	←

Item	Name of adjustment		Preset	Data
NVFC	V-F CORRECTION	(WIDE/4:3 60Hz)	00H	←
HIT	PICTURE HEIGHT	(Super Live 50Hz)	33H	←
VLIN	V-LINEARITY	↓	11H	←
VSC	V-S CORRECTION	↓	2EH	←
WID	PICTURE WIDTH	↓	26H	←
PARA	E-W PARABOLA	↓	06H	←
TRAP	TRAPEZIUM	↓	40H	←
VPOS	V-POSITION	↓	01H	←
NHIT	PICTURE HEIGHT	(Super Live 60Hz)	05H	←
NVLI	V-LINEARTY	↓	FFH	←
NVSC	V-S CORRECTION	↓	01H	←
NWID	PICTURE WIDTH	↓	03H	←
NPAR	E-W PARABOLA	↓	00H	←
NTRP	TRAPEZIUM	↓	00H	←
VPOS	V-POSITION	↓	FFH	←
HIT	PICTURE HEIGHT	(Cinema/Subtitle 50Hz)	3FH	←
VLIN	V-LINEARITY	↓	08H	←
VSC	V-S CORRECTION	↓	25H	←
VPS	V-SHIFT	↓	10H	←
WID	PICTURE WIDTH	↓	26H	←
PARA	E-W PARABOLA	↓	07H	←
TRAP	TRAPEZIUM	↓	40H	←
VPOS	V-POSITION	↓	00H	←
NHIT	PICTURE HEIGHT	(Cinema/Subtitle 60Hz)	10H	←
NVLI	V-LINEARITY	↓	08H	←
NVSC	V-S CORRECTION	↓	FFH	←
NVPS	V-SHIFT	↓	00H	←
NWID	PICTURE WIDTH	↓	03H	←
NPAR	E-W PARABOLA	↓	00H	←
NTRP	TRAPEZIUM	↓	01H	←
VPOS	V-POSITION	↓	00H	←
BELL	SECAM BELL FILTER f0 ADJUST		80H	←
SRY	SECAM R-Y BLACK LEVEL		08H	←
SBY	SECAM B-Y BLACK LEVEL		08H	←

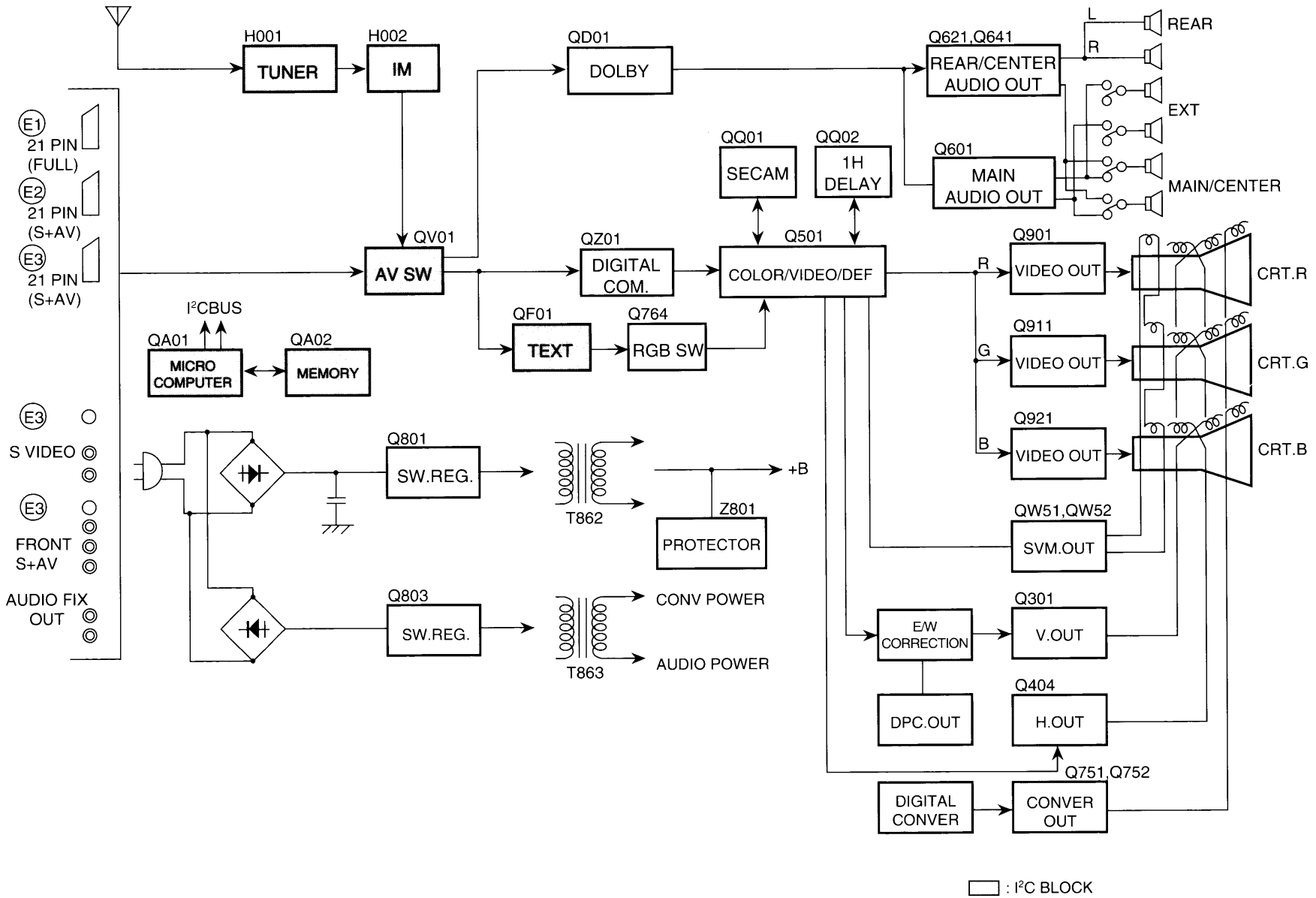
Table-2

ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

Item	Name of adjustment	Preset Data	Data		Remarks
			40PW8DG	40PW8DB	
OPT0 OPT1	OPTION 0 OPTION 1	86H 5AH	86H 5AH	A6H 5AH	

Table-3

CIRCUIT BLOCK DIAGRAM



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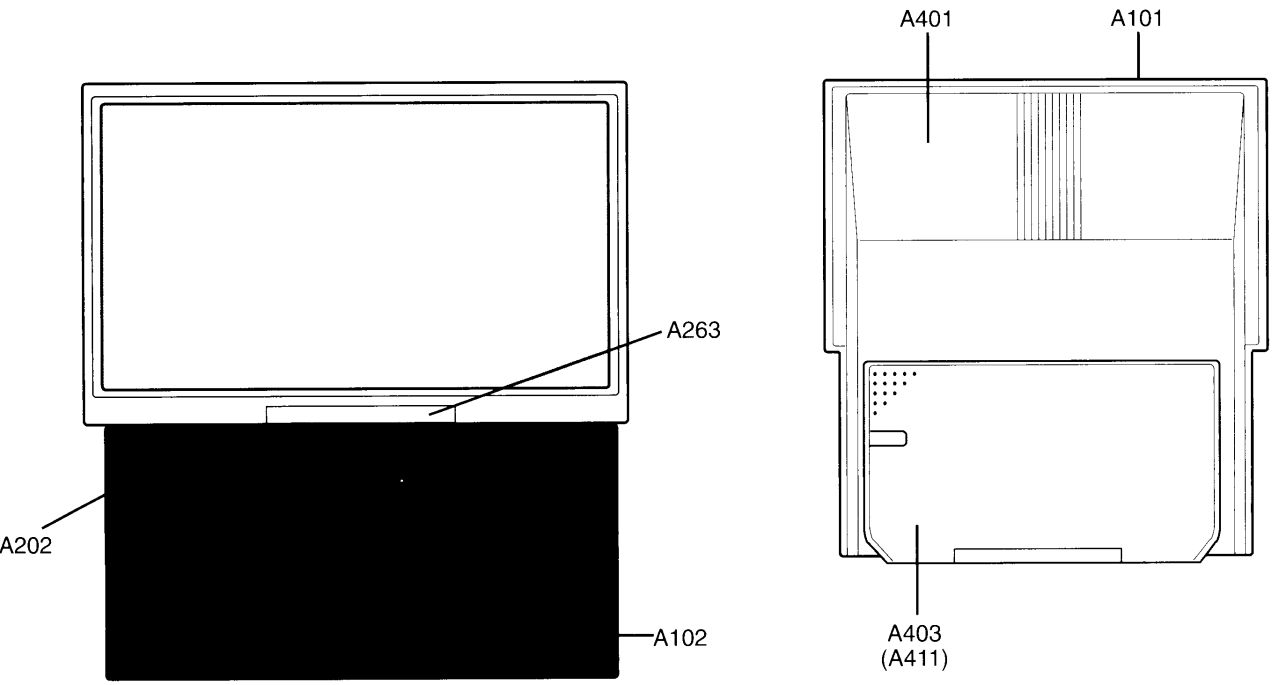
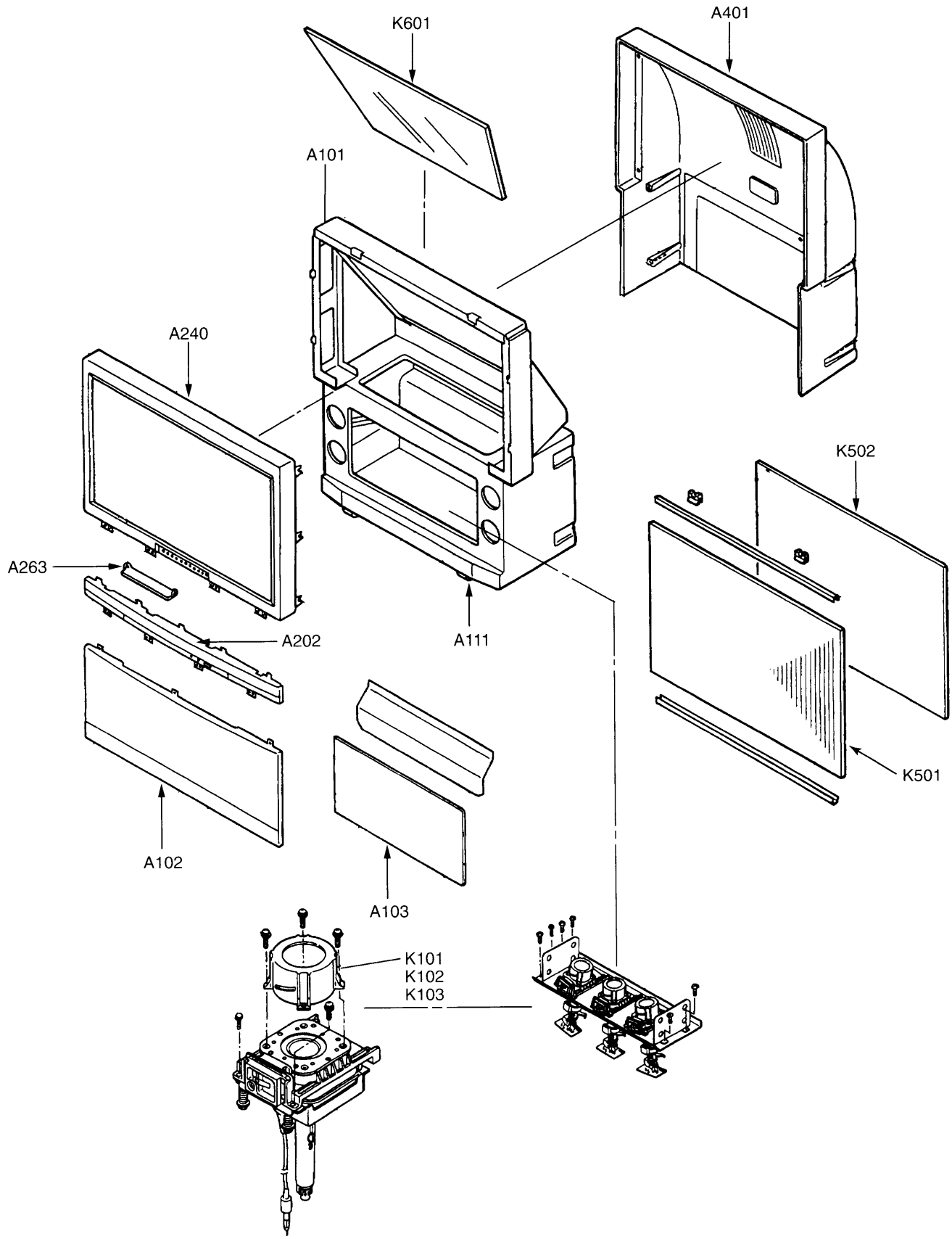
CABINET REPLACEMENT PA



Location No.	Part No.	Description
A101	23465808	Wood Cabinet
A102	23519634	Cover, Speaker
A108	23469230	Cover, Drip
A201	23510424	Front Panel Ass'y
A202	23519634	Cover, Speaker
A205	23450073	Panel, Control
A249	23460960	Trim, Control
A263	23427428	Door
A352	72471068	Screw, BIDT2 4X12BZ
⚠A401	23427425	Back Cover
A403	23822249	Panel, Back Board
A411	23560936	Label, Model No. 40PW8DG
A411	23560993	Label, Model No. 40PW8DB
A527	72471068	Screw, BIDT2 4X12BZ
A701	23525571	Carton
A702	23935505	Packing, Top
A703	23935506	Pad, Bottom
A704	23935507	Packing, Bottom
A705	23941638	Protective Sheet
A706	23943628	Cover, Poly.
A708	23941634	Protective Sheet
A709	23845450	Joint
A710	23560995	Label, Carton (40PW8DG)
A710	23560994	Label, Carton (40PW8DB)
A905	23445170	Button, Power

Location No.	Part No.	Description
K101	23430512	Delta67-A/B Assembly
K102	23430512	Delta67-A/B Assembly
K103	23430512	Delta67-A/B Assembly
K501	23837505	Lenti Sheet, SCREEN40KH-L
K502	23837506	Fresnel Sheet, SCREEN40KH-F
K601	23430267	MIRROR40

EPLACEMENT PARTS LIST



CHASSIS REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE . Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with ⋆ mark is no longer available after the end of the production.*

ABBREVIATIONS: **Models : 40PW8DG, 40PW8DB**

Capacitors	CD	:	Ceramic Disk	PF	:	Plastic Film	EL	: Electrolytic
Resistors	CF	:	Carbon Film	CC	:	Carbon Composition	MF	: Metal Film
	OMF	:	Oxide Metal Film	VR	:	Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Part No.	Description
CAPACITORS		
C101	24797229	EL, 2.2μF, ±20%, 50V
C102	24763221	EL, 220μF, ±20%, 16V
C103	24232103	CD, 0.01μF, +80%, -20%
C104	24794470	EL, 47μF, ±20%, 16V
C105	24232103	CD, 0.01μF, +80%, -20%
C106	24797100	EL, 10μF, ±20%, 50V
C107	24763221	EL, 220μF, ±20%, 16V
C108	24793101	EL, 100μF, ±20%, 10V
C110	24232103	CD, 0.01μF, +80%, -20%
C115	24232103	CD, 0.01μF, +80%, -20%
C116	24763221	EL, 220μF, ±20%, 16V
C183	24797479	EL, 4.7μF, ±20%, 50V
C194	24232103	CD, 0.01μF, +80%, -20%
C201	24766100	EL, 10μF, ±20%, 50V
C203	24092178	Chip, 0.1μF, ±10%, B
C204	24766010	EL, 1.0μF, ±20%, 50V
C205	24766229	EL, 2.2μF, ±20%, 50V
C206	24766220	EL, 22μF, ±20%, 50V
C207	24781270	Chip, 27pF, SL
C208	24781270	Chip, 27pF, SL
C209	24781270	Chip, 27pF, SL
C211	24774330	Chip, 33pF, CH
C212	24794100	EL, 10μF, ±20%, 16V
C214	24567334	PF, 0.33μF, VL
C271	24815153	Chip, 0.015μF, ±10%
C273	24797229	EL, 2.2μF, ±20%, 50V
C303	24214471	CD, 470pF, ±10%, 500V
C305	24617912	EL, 2.2μF, ±10%, 50V
C306	24668332	EL, 3300μF, ±20%, 35V
C307	24693473	PF, 0.047μF, 100V
C308	24668221	EL, 220μF, ±20%, 35V
C309	24212101	CD, 100pF, ±10%
C310	24669222	EL, 2200μF, ±20%, 50V
C311	24214561	CD, 560pF, ±10%, 500V
C313	24082057	PF, 0.22μF, 100V
C314	24591103	PF, 0.01μF
C315	24591103	PF, 0.01μF
C315	24766229	EL, 2.2μF, ±20%, 50V
C316	24232103	CD, 0.01μF, +80%, -20%
C318	24666222	EL, 2200μF, ±20%, 16V
C319	24591102	PF, 1000pF

Location No.	Part No.	Description
C320	24669101	EL, 100μF, ±20%, 50V
C321	24591183	PF, 0.018μF
C322	24617912	EL, 2.2μF, ±10%, 50V
C323	24591474	PF, 0.47μF
C338	24669100	EL, 10μF, ±20%, 50V
C343	24591103	PF, 0.01μF
C350	24591104	PF, 0.1μF
C351	24666101	EL, 100μF, ±20%, 16V
C352	24669229	EL, 2.2μF, ±20%, 50V
C353	24666100	EL, 10μF, ±20%, 16V
C360	24567104	PF, 0.1μF
C370	24669101	EL, 100μF, ±20%, 50V
C371	24668100	EL, 10μF, ±20%, 35V
C401	24092178	Chip, 0.1μF, ±10%, B
C403	24591203	PF, 0.02μF
C403	24829104	PF, 0.1μF, 400V
C404	24766229	EL, 2.2μF, ±20%, 50V
C413	24214821	CD, 820pF, ±10%, 500V
C415	24815392	Chip, 3900pF, ±10%
C416	24678100	EL, 10μF, ±20%, 200V
C417	24214391	CD, 390pF, ±10%, 500V
C418	24095883	PF, 0.015μF, ±3%, 630V
C419	24095803	PF, 0.062μF, 400V
C420	24666101	EL, 100μF, ±20%, 16V
C423	24095779	PF, 0.62μF, 400V
C430	24814103	Chip, 0.01μF, +80%, -20%
C431	24763471	EL, 470μF, ±20%, 16V
C440	24082323	PF, 1000pF, ±3%, 1500V
C441	24095787	PF, 0.3μF, 400V
C443	24082348	PF, 6800pF, ±3%, 1500V
C444	24082287	PF, 5100pF, ±3%, 1800V
C445	24828473	PF, 0.047μF, 200V
C446	24679330	EL, 33μF, ±20%, 250V
C447	24667102	EL, 1000μF, ±20%, 25V
C448	24640908	EL, 33μF, ±20%, 160V
C458	24667100	EL, 10μF, ±20%, 25V
C459	24669478	EL, 0.47μF, ±20%, 50V
C460	24668331	EL, 330μF, ±20%, 35V
C463	24212152	CD, 1500pF, ±10%
C465	24591332	PF, 3300pF
C467	24820183	PF, 0.018μF, 630V
C468	24567474	PF, 0.47μF

Location No.	Part No.	Description
C471	24669479	EL, 4.7μF, ±20%, 50V
C475	24095887	PF, 0.01μF, ±3%, 630V
C481	24567104	PF, 0.1μF
C482	24591152	PF, 1500pF
C483	24567224	PF, 0.22μF
C484	24676100	EL, 10μF, ±20%, 100V
C485	24669101	EL, 100μF, ±20%, 50V
C492	24214471	CD, 470pF, ±10%, 500V
C493	24082054	PF, 0.12μF, 100V
C501	24814103	Chip, 0.01μF, +80%, −20%
C502	24814103	Chip, 0.01μF, +80%, −20%
C503	24763101	EL, 100μF, ±20%, 16V
C504	24781122	Chip, 1200pF, SL
C505	24774120	Chip, 12pF, CH
C507	24774120	Chip, 12pF, CH
C508	24766100	EL, 10μF, ±20%, 50V
C509	24763101	EL, 100μF, ±20%, 16V
C510	24763101	EL, 100μF, ±20%, 16V
C511	24814103	Chip, 0.01μF, +80%, −20%
C512	24206228	EL, 0.22μF, 50V
C513	24814103	Chip, 0.01μF, +80%, −20%
C514	24092178	Chip, 0.1μF, ±10%, B
C515	24092178	Chip, 0.1μF, ±10%, B
C517	24774010	Chip, 1pF, CH
C519	24774010	Chip, 1pF, CH
C520	24781102	Chip, 1000pF, SL
C521	24781102	Chip, 1000pF, SL
C522	24781470	Chip, 47pF, SL
C523	24781470	Chip, 47pF, SL
C530	24781561	Chip, 560pF, SL
C531	24774181	Chip, 180pF, CH
C532	24781102	Chip, 1000pF, SL
C601	24590102	PF, 1000pF
C602	24590102	PF, 1000pF
C603	24669100	EL, 10μF, ±20%, 50V
C604	24669100	EL, 10μF, ±20%, 50V
C605	24667101	EL, 100μF, ±20%, 25V
C606	24667101	EL, 100μF, ±20%, 25V
C607	24538104	PF, 0.1μF
C608	24538104	PF, 0.1μF
C609	24669102	EL, 1000μF, ±20%, 50V
C610	24669102	EL, 1000μF, ±20%, 50V
C6101	24232103	CD, 0.01μF, +80%, −20%
C6101	24669010	EL, 1μF, ±20%, 50V
C6102	24232103	CD, 0.01μF, +80%, −20%
C611	24667221	EL, 220μF, ±20%, 25V
C612	24232103	CD, 0.01μF, +80%, −20%
C613	24666221	EL, 220μF, ±20%, 16V
C621	24669010	EL, 1μF, ±20%, 50V
C623	24667470	EL, 47μF, ±20%, 25V
C624	24669100	EL, 10μF, ±20%, 50V
C625	24669100	EL, 10μF, ±20%, 50V
C626	24667470	EL, 47μF, ±20%, 25V
C627	24667470	EL, 47μF, ±20%, 25V
C628	24667470	EL, 47μF, ±20%, 25V
C629	24567124	PF, 0.12μF, VL
C630	24567124	PF, 0.12μF, VL
C631	24668102	EL, 1000μF, ±20%, 35V
C632	24668102	EL, 1000μF, ±20%, 35V
C635	24669010	EL, 1μF, ±20%, 50V
C636	24666100	EL, 10μF, ±20%, 16V
C643	24667470	EL, 47μF, ±20%, 25V
C644	24669100	EL, 10μF, ±20%, 50V
C645	24669100	EL, 10μF, ±20%, 50V

Location No.	Part No.	Description
C646	24667470	EL, 47μF, ±20%, 25V
C647	24667470	EL, 47μF, ±20%, 25V
C648	24667470	EL, 47μF, ±20%, 25V
C649	24567124	PF, 0.12μF, VL
C650	24567124	PF, 0.12μF, VL
C651	24668102	EL, 1000μF, ±20%, 35V
C652	24668102	EL, 1000μF, ±20%, 35V
C660	24669471	EL, 470μF, ±20%, 50V
C661	24567103	PF, 0.01μF
C662	24590152	PF, 1500pF
C663	24669479	EL, 4.7μF, ±20%, 50V
C664	24590123	PF, 0.012μF
C665	24669478	EL, 0.47μF, ±20%, 50V
C666	24669478	EL, 0.47μF, ±20%, 50V
C667	24590102	PF, 1000pF
C668	24669479	EL, 4.7μF, ±20%, 50V
C671	24669100	EL, 10μF, ±20%, 50V
C672	24212101	CD, 100pF, ±10%
C673	24781102	Chip, 1000pF, SL
C674	24781102	Chip, 1000pF, SL
C674	24669100	EL, 10μF, ±20%, 50V
C675	24669100	EL, 10μF, ±20%, 50V
C675	24781102	Chip, 1000pF, SL
C676	24781102	Chip, 1000pF, SL
C676	24669100	EL, 10μF, ±20%, 50V
C677	24668221	EL, 220μF, ±20%, 35V
C678	24781102	Chip, 1000pF, SL
C679	24781102	Chip, 1000pF, SL
C680	24669222	EL, 2200μF, ±20%, 50V
C681	24781102	Chip, 1000pF, SL
C682	24669010	EL, 1μF, ±20%, 50V
C682	24781102	Chip, 1000pF, SL
C685	24590102	PF, 1000pF
C690	24666470	EL, 47μF, ±20%, 16V
C691	24212101	CD, 100pF, ±10%
C692	24666100	EL, 10μF, ±20%, 16V
C693	24669479	EL, 4.7μF, ±20%, 50V
C694	24212101	CD, 100pF, ±10%
C695	24666100	EL, 10μF, ±20%, 16V
C701	24781330	Chip, 33pF, SL
C702	24781330	Chip, 33pF, SL
C711	24206100	EL, 10μF, 50V
C714	24092293	Chip, 0.1μF, +80%,−20%, 25V
C715	24092441	Chip, 1μF, +80%, −20%, 16V
C716	24815822	Chip, 8200pF, ±10%
C717	24774470	Chip, 47pF, CH
C718	24774470	Chip, 47pF, CH
C719	24794101	EL, 100μF, ±20%, 16V
C720	24092293	Chip, 0.1μF, +80%,−20%, 25V
C721	24590104	PF, 0.1μF
C722	24092293	Chip, 0.1μF, +80%,−20%, 25V
C724	24092293	Chip, 0.1μF, +80%,−20%, 25V
C725	24092293	Chip, 0.1μF, +80%,−20%, 25V
C726	24092293	Chip, 0.1μF, +80%,−20%, 25V
C727	24092293	Chip, 0.1μF, +80%,−20%, 25V
C728	24763221	EL, 220μF, ±20%, 16V
C729	24092293	Chip, 0.1μF, +80%,−20%, 25V
C730	24590104	PF, 0.1μF
C731	24766010	EL, 1.0μF, ±20%, 50V
C732	24590822	PF, 8200pF
C735	24092293	Chip, 0.1μF, +80%,−20%, 25V
C736	24794470	EL, 47μF, ±20%, 16V
C739	24092293	Chip, 0.1μF, +80%,−20%, 25V
C740	24092293	Chip, 0.1μF, +80%,−20%, 25V

Location No.	Part No.	Description
C741	24794470	EL, 47μF, ±20%, 16V
C742	24794470	EL, 47μF, ±20%, 16V
C743	24092293	Chip, 0.1μF, +80%,–20%, 25V
C744	24092293	Chip, 0.1μF, +80%,–20%, 25V
C745	24794470	EL, 47μF, ±20%, 16V
C746	24794470	EL, 47μF, ±20%, 16V
C747	24092293	Chip, 0.1μF, +80%,–20%, 25V
C748	24092293	Chip, 0.1μF, +80%,–20%, 25V
C749	24794470	EL, 47μF, ±20%, 16V
C750	24794470	EL, 47μF, ±20%, 16V
C756	24781330	Chip, 33pF, SL
C761	24590182	PF, 1800pF
C762	24590562	PF, 5600pF
C763	24774391	Chip, 390pF
C765	24590182	PF, 1800pF
C766	24590562	PF, 5600pF
C767	24774391	Chip, 390pF
C769	24590182	PF, 1800pF
C770	24590562	PF, 5600pF
C771	24774391	Chip, 390pF
C772	24667101	EL, 100μF, ±20%, 25V
C773	24590182	PF, 1800pF
C774	24590562	PF, 5600pF
C775	24774391	Chip, 390pF
C776	24667101	EL, 100μF, ±20%, 25V
C777	24590182	PF, 1800pF
C778	24590562	PF, 5600pF
C779	24774391	Chip, 390pF
C781	24590182	PF, 1800pF
C782	24590562	PF, 5600pF
C783	24774391	Chip, 390pF
C795	24761221	EL, 220μF, ±20%, 6.3V
C798	24763101	EL, 100μF, ±20%, 16V
C799	24763101	EL, 100μF, ±20%, 16V
⚠C801	24082374	PF, 0.22μF, AC250V
⚠C802	24082374	PF, 0.22μF, AC250V
⚠C803	24082374	PF, 0.22μF, AC250V
⚠C804	24082374	PF, 0.22μF, AC250V
C805	24092281	CD, 4700pF, ±20%, AC250V
C806	24092281	CD, 4700pF, ±20%, AC250V
C808	24617821	EL, 220μF, ±20%, 50v
C810	24086935	EL, 560μF, ±20%, 400V
⚠C811	24092570	CD, 470pF, ±20%, AC250V
⚠C812	24094654	CD, 470pF, ±20%, AC400V
⚠C812	24617817	CD, 470pF, ±20%, AC400v
C813	24567474	PF, 0.47μF
⚠C814	24092568	CD, 1500pF, ±20%, AC250V
C814A	70852507	Condenser Cover
⚠C815	24094655	CD, 1000pF, ±20%, AC400V
C815A	70852507	Condenser Cover
C816	24617821	EL, 220μF, ±20%, 50v
C817	24092341	CD, 470pF, ±10%, 2kV
C818	24095931	PF, 2200pF, 1250V
⚠C819	24094653	CD, 220pF, ±20%, AC400V
C819A	70852507	Condenser Cover
C820	24092343	CD, 680pF, ±10%, 2kV
⚠C821	24082374	PF, 0.22μF, AC250V
⚠C824	24082374	PF, 0.22μF, AC250V
C829	24590152	PF, 1500pF
C835	24666470	EL, 47μF, ±20%, 16V
C837	24669229	EL, 2.2μF, ±20%, 50V
C841	24676220	EL, 22μF, ±20%, 100V
C842	24567474	PF, 0.47μF
C843	24538474	PF, 0.47μF

Location No.	Part No.	Description
C846	24567104	PF, 0.1μF
C850	24092281	CD, 4700pF, ±20%, AC250V
C851	24092281	CD, 4700pF, ±20%, AC250V
C852	24092281	CD, 4700pF, ±20%, AC250V
C853	24092281	CD, 4700pF, ±20%, AC250V
C854	24086936	EL, 270μF, ±20%, 450V
C855	24092341	CD, 470pF, ±10%, 2kV
C856	24095913	PF, 1500pF, ±3%, 1600V
C857	24617821	EL, 220μF, ±20%, 50v
C860	24640893	EL, 47μF, ±20%, 100V
C861	24676220	EL, 22μF, ±20%, 100V
C862	24590152	PF, 1500pF
⚠C863	24094655	CD, 1000pF, ±20%, AC400V
⚠C864	24094655	CD, 1000pF, ±20%, AC400V
C865	24214331	CD, 330pF, ±10%, 500V
C866	24214331	CD, 330pF, ±10%, 500V
C867	24214471	CD, 470pF, ±10%, 500V
C868	24214471	CD, 470pF, ±10%, 500V
C869	24640893	EL, 47μF, ±20%, 100V
C870	24668332	EL, 3300μF, ±20%, 35V
C871	24668332	EL, 3300μF, ±20%, 35V
C872	24214471	CD, 470pF, ±10%, 500V
C873	24669102	EL, 1000μF, ±20%, 50V
C874	24214471	CD, 470pF, ±10%, 500V
C875	24567563	PF, 0.056μF
C876	24669100	EL, 10μF, ±20%, 50V
C877	24669100	EL, 10μF, ±20%, 50V
C878	24567104	PF, 0.1μF
C879	24669100	EL, 10μF, ±20%, 50V
C880	24677470	EL, 47μF, ±20%, 160V
C882	24669100	EL, 10μF, ±20%, 50V
⚠C883	24094655	CD, 1000pF, ±20%, AC400V
C884	24086942	EL, 330μF, +80%,–20%, 200V
C885	24214471	CD, 470pF, ±10%, 500V
⚠C886	24094655	CD, 1000pF, ±20%, AC400V
C887	24214471	CD, 470pF, ±10%, 500V
C889	24617825	EL, 2200μF, ±20%, 50V
C893	24092338	CD, 270pF, ±10%, 2kV
C894	24617813	EL, 2.2μF, ±20%, 50V
C895	24640891	EL, 22μF, ±20, 100V
C897	24073076	EL, 6800μF, ±20%, 35V
C898	24567474	PF, 0.47μF
C899	24214471	CD, 470pF, ±10%, 500V
C901	24211102	CD, 1000pF, ±10%, 2kV
C902	24794100	EL, 10μF, ±20%, 16V
C903	24232103	CD, 0.01μF, +80%, –20%
C904	24436821	CD, 820pF
C905	24214102	CD, 1000pF, ±10%, 500V
C911	24211102	CD, 1000pF, ±10%, 2kV
C912	24794100	EL, 10μF, ±20%, 16V
C913	24232103	CD, 0.01μF, +80%, –20%
C914	24436821	CD, 820pF
C915	24679330	EL, 33μF, ±20%, 250V
C915A	23960136	Adhesive, TSE3843-W
C916	24794101	EL, 100μF, ±20%, 16V
C921	24211102	CD, 1000pF, ±10%, 2kV
C922	24794100	EL, 10μF, ±20%, 16V
C923	24436821	CD, 820pF
C924	24232103	CD, 0.01μF, +80%, –20%
C941	24797478	EL, 0.47μF, ±20%, 50V
C943	24794102	EL, 1000μF, ±20%, 16V
C944	24203100	EL, 10μF, ±20%, 16V
C9602	24794100	EL, 10μF, ±20%, 16V
C961	24666101	EL, 100μF, ±20%, 16V

Location No.	Part No.	Description
C962	24203100	EL, 10μF, ±20%, 16V
C963	24232103	CD, 0.01μF, +80%, −20%
C964	24232103	CD, 0.01μF, +80%, −20%
C7701	24761221	EL, 220μF, ±20%, 6.3V
C7721	24212102	CD, 1000pF, ±10%
C7722	24436101	CD, 100pF
C7724	24667101	EL, 100μF, ±20%, 25V
C7725	24667101	EL, 100μF, ±20%, 25V
C7726	24212102	CD, 1000pF, ±10%
C7727	24436101	CD, 100pF
C7729	24212102	CD, 1000pF, ±10%
C7730	24436101	CD, 100pF
C7732	24212102	CD, 1000pF, ±10%
C7733	24436101	CD, 100pF
C7735	24667101	EL, 100μF, ±20%, 25V
C7736	24669101	EL, 100μF, ±20%, 50V
C7737	24212102	CD, 1000pF, ±10%
C7738	24436101	CD, 100pF
C7740	24212102	CD, 1000pF, ±10%
C7741	24436101	CD, 100pF
C7747	24667101	EL, 100μF, ±20%, 25V
C7748	24567104	PF, 0.1μF
C7749	24567104	PF, 0.1μF
C7750	24667101	EL, 100μF, ±20%, 25V
C7751	24667101	EL, 100μF, ±20%, 25V
C7752	24567104	PF, 0.1μF
C7753	24567104	PF, 0.1μF
C7754	24667101	EL, 100μF, ±20%, 25V
C7755	24667101	EL, 100μF, ±20%, 25V
C7756	24567104	PF, 0.1μF
C7757	24567104	PF, 0.1μF
C7758	24667101	EL, 100μF, ±20%, 25V
C7760	24667470	EL, 47μF, ±20%, 25V
C7761	24669100	EL, 10μF, ±20%, 50V
C7762	24669100	EL, 10μF, ±20%, 50V
C7763	24667470	EL, 47μF, ±20%, 25V
C7764	24598331	PF, 330pF
C7767	24667470	EL, 47μF, ±20%, 25V
C7768	24567104	PF, 0.1μF
C7769	24232103	CD, 0.01μF, +80%, −20%
C7770	24669470	EL, 47μF, ±20%, 50V
C7771	24567103	PF, 0.01μF
C7773	24669101	EL, 100μF, ±20%, 50V
C7774	24436331	CD, 330pF
C7776	24667470	EL, 47μF, ±20%, 25V
C8101	24214472	CD, 4700pF, ±10%, 500V
C8102	24073096	EL, 3300μF, ±20%, 50v
C8111	24094654	CD, 470pF, ±20%, AC400V
C8121	24094653	CD, 220pF, ±20%, AC400V
C8191	24094655	CD, 1000pF, ±20%, AC400V
C8201	24538474	PF, 0.47μF
C8202	24669100	EL, 10μF, ±20%, 50V
C8301	24669100	EL, 10μF, ±20%, 50V
C8302	24666470	EL, 47μF, ±20%, 16V
C8303	24669100	EL, 10μF, ±20%, 50V
C8304	24666470	EL, 47μF, ±20%, 16V
C8305	24669100	EL, 10μF, ±20%, 50V
C8306	24666470	EL, 47μF, ±20%, 16V
C8307	24669100	EL, 10μF, ±20%, 50V
C8308	24666470	EL, 47μF, ±20%, 16V
C8309	24669100	EL, 10μF, ±20%, 50V
C8310	24666470	EL, 47μF, ±20%, 16V
CA13	24212101	CD, 100pF, ±10%
CA30	24212101	CD, 100pF, ±10%
CA33	24232103	CD, 0.01μF, +80%, −20%

Location No.	Part No.	Description
CA37	24212101	CD, 100pF, ±10%
CA38	24212101	CD, 100pF, ±10%
CA42	24794100	EL, 10μF, ±20%, 16V
CA43	24232103	CD, 0.01μF, +80%, −20%
CA44	24232103	CD, 0.01μF, +80%, −20%
CA68	24794100	EL, 10μF, ±20%, 16V
CA69	24232103	CD, 0.01μF, +80%, −20%
CA101	24232103	CD, 0.01μF, +80%, −20%
CA102	24232103	CD, 0.01μF, +80%, −20%
CA103	24436330	CD, 33pF
CA104	24436330	CD, 33pF
CA105	24232103	CD, 0.01μF, +80%, −20%
CA106	24794100	EL, 10μF, ±20%, 16V
CA107	24232103	CD, 0.01μF, +80%, −20%
CB01	24794470	EL, 47μF, ±20%, 16V
CB90	24232103	CD, 0.01μF, +80%, −20%
CC05	24814103	Chip, 0.01μF, +80%, −20%
CC06	24814103	Chip, 0.01μF, +80%, −20%
CC12	24814103	Chip, 0.01μF, +80%, −20%
CC13	24814103	Chip, 0.01μF, +80%, −20%
CC14	24781470	Chip, 47pF, SL
CC15	24212102	CD, 1000pF, ±10%
CC16	24212102	CD, 1000pF, ±10%
CC17	24212102	CD, 1000pF, ±10%
CC18	24436101	CD, 100pF
CC19	24436101	CD, 100pF
CC20	24781102	Chip, 1000pF, SL
CC21	24781470	Chip, 47pF, SL
CC22	24781470	Chip, 47pF, SL
CC23	24814103	Chip, 0.01μF, +80%, −20%
CD01	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD02	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD03	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD04	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD05	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD06	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD07	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD08	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD11	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD12	24814473	Chip, 0.047μF, +80%,−20%
CD13	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD14	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD15	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD16	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD20	24815222	Chip, 2200pF, ±10%, B
CD23	24203100	EL, 10μF, ±20%, 16V
CD24	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD25	24815222	Chip, 2200pF, ±10%, B
CD26	24203100	EL, 10μF, ±20%, 16V
CD27	24203100	EL, 10μF, ±20%, 16V
CD28	24202101	EL, 100μF, 10V
CD29	24092293	Chip, 0.1μF, +80%,−20%, 25V
CD30	24203100	EL, 10μF, ±20%, 16V
CD31	24203220	EL, 22μF, ±20%, 16V
CD32	24206010	EL, 1μF, 50V
CD33	24590823	PF, 0.082μF
CD34	24538104	PF, 0.1μF
CD35	24567124	PF, 0.12μF, VL
CD36	24781102	Chip, 1000pF, SL
CD38	24206010	EL, 1μF, 50V
CD39	24206010	EL, 1μF, 50V
CD40	24206010	EL, 1μF, 50V
CD41	24814103	Chip, 0.01μF, +80%, −20%
CD42	24203101	EL, 100μF, ±20%, 16V

Location No.	Part No.	Description
CD43	24206010	EL, 1μF, 50V
CD44	24590273	PF, 0.027μF
CD45	24590822	PF, 8200pF
CD46	24567273	PF, 0.027μF, VL
CD47	24206010	EL, 1μF, 50V
CD48	24567273	PF, 0.027μF, VL
CD49	24590822	PF, 8200pF
CD50	24590822	PF, 8200pF
CD51	24203100	EL, 10μF, ±20%, 16V
CD52	24203100	EL, 10μF, ±20%, 16V
CD53	24203100	EL, 10μF, ±20%, 16V
CD54	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD55	24815222	Chip, 2200pF, ±10%, B
CD56	24814103	Chip, 0.01μF, +80%, –20%
CD57	24814103	Chip, 0.01μF, +80%, –20%
CD58	24202101	EL, 100μF, 10V
CD59	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD60	24815222	Chip, 2200pF, ±10%, B
CD63	24203100	EL, 10μF, ±20%, 16V
CD64	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD65	24815222	Chip, 2200pF, ±10%, B
CD66	24203100	EL, 10μF, ±20%, 16V
CD67	24203100	EL, 10μF, ±20%, 16V
CD68	24202101	EL, 100μF, 10V
CD69	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD70	24815222	Chip, 2200pF, ±10%, B
CD72	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD73	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD74	24665471	EI, 470μF, ±20%, 10V
CD75	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD76	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD77	24665471	EI, 470μF, ±20%, 10V
CD78	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD79	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD80	24665471	EI, 470μF, ±20%, 10V
CD81	24202221	EL, 220μF, ±20%, 10V
CD82	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD83	24202221	EL, 220μF, ±20%, 10V
CD84	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD85	24202221	EL, 220μF, ±20%, 10V
CD86	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD88	24794100	EL, 10μF, ±20%, 16V
CD89	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD91	24814103	Chip, 0.01μF, +80%, –20%
CD92	24203220	EL, 22μF, ±20%, 16V
CD93	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD94	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD101	24814103	Chip, 0.01μF, +80%, –20%
CD102	24814103	Chip, 0.01μF, +80%, –20%
CD103	24781330	Chip, 33pF, SL
CD104	24781330	Chip, 33pF, SL
CD105	24814103	Chip, 0.01μF, +80%, –20%
CD106	24203100	EL, 10μF, ±20%, 16V
CD107	24287103	Chip, 0.01μF, +80%, –20%
CD203	24590123	PF, 0.012μF
CD204	24590123	PF, 0.012μF
CD205	24085988	EL, 1μF, ±20%, 50V, NP
CD206	24085988	EL, 1μF, ±20%, 50V, NP
CD207	24590822	PF, 8200pF
CD208	24590822	PF, 8200pF
CD209	24815102	Chip, 1000pF, ±10%, B
CD210	24203100	EL, 10μF, ±20%, 16V
CD211	24287103	Chip, 0.01μF, +80%, –20%
CD212	24287103	Chip, 0.01μF, +80%, –20%

Location No.	Part No.	Description
CD213	24287103	Chip, 0.01μF, +80%, –20%
CD214	24203101	EL, 100μF, ±20%, 16V
CD215	24203470	EL, 47μF, ±20%, 16V
CF03	24567104	PF, 0.1μF
CF04	24766101	PF, 0.1μF
CF05	24766101	PF, 0.1μF
CF06	24774220	Chip, 22pF, CH
CF07	24774220	Chip, 22pF, CH
CF08	24567104	PF, 0.1μF
CF09	24567104	PF, 0.1μF
CF10	24206100	EL, 10μF, 50V
CF11	24567104	PF, 0.1μF
CF12	24814103	Chip, 0.01μF, +80%, –20%
CF14	24814103	Chip, 0.01μF, +80%, –20%
CF17	24794101	EL, 100μF, ±20%, 16V
CF18	24794101	EL, 100μF, ±20%, 16V
CF19	24814103	Chip, 0.01μF, +80%, –20%
CF20	24766010	EL, 1.0μF, ±20%, 50V
CF30	24794471	EL, 470μF, ±20%, 16V
CQ01	24781102	Chip, 1000pF, SL
CQ02	24774820	Chip, 82pF, CH
CQ03	24781102	Chip, 1000pF, SL
CQ04	24794100	EL, 10μF, ±20%, 16V
CQ05	24815563	Chip, 0.056μF, ±10%, B
CQ07	24591203	PF, 0.02μF
CQ08	24285683	Chip, 0.068μF, ±10%, B
CQ09	24797229	EL, 2.2μF, ±20%, 50V
CQ10	24815223	Chip, 0.022μF, ±10%, B
CQ11	24766229	EL, 2.2μF, ±20%, 50V
CQ12	24781910	Chip, 91pF, SL
CQ13	24797010	EL, 1μF, ±20%, 50V
CQ14	24797010	EL, 1μF, ±20%, 50V
CQ15	24763101	EL, 100μF, ±20%, 16V
CQ16	24814103	Chip, 0.01μF, +80%, –20%
CQ17	24774150	Chip, 15pF, CH
CQ18	24781910	Chip, 91pF, SL
CQ19	24815103	Chip, 0.01μF, ±10%, B
CQ20	24815103	Chip, 0.01μF, ±10%, B
CQ21	24794470	EL, 47μF, ±20%, 16V
CQ22	24814103	Chip, 0.01μF, +80%, –20%
CQ23	24092178	Chip, 0.1μF, ±10%, B
CQ24	24092178	Chip, 0.1μF, ±10%, B
CQ25	24797100	EL, 10μF, ±20%, 50V
CQ26	24092178	Chip, 0.1μF, ±10%, B
CQ27	24092178	Chip, 0.1μF, ±10%, B
CQ28	24797478	EL, 0.47μF, ±20%, 50V
CQ29	24794101	EL, 100μF, ±20%, 16V
CQ30	24814103	Chip, 0.01μF, +80%, –20%
CQ31	24797478	EL, 0.47μF, ±20%, 50V
CQ32	24815103	Chip, 0.01μF, ±10%, B
CQ33	24092178	Chip, 0.1μF, ±10%, B
CQ34	24092178	Chip, 0.1μF, ±10%, B
CQ35	24206478	EL, 0.47μF, 50V
CQ36	24206478	EL, 0.47μF, 50V
CQ37	24797010	EL, 1μF, ±20%, 50V
CQ38	24797010	EL, 1μF, ±20%, 50V
CQ39	24797010	EL, 1μF, ±20%, 50V
CQ40	24781910	Chip, 91pF, SL
CQ45	24781102	Chip, 1000pF, SL
CQ46	24781102	Chip, 1000pF, SL
CR01	24567104	PF, 0.1μF
CR02	24567104	PF, 0.1μF
CR03	24567104	PF, 0.1μF
CR04	24567104	PF, 0.1μF

Location No.	Part No.	Description
CR05	24567104	PF, 0.1μF
CR06	24567104	PF, 0.1μF
CR07	24814103	Chip, 0.01μF, +80%, -20%
CR08	24794100	EL, 10μF, ±20%, 16V
CR09	24814103	Chip, 0.01μF, +80%, -20%
CR10	24781561	Chip, 560pF, SL
CR12	24092178	Chip, 0.1μF, ±10%, B
CR13	24092178	Chip, 0.1μF, ±10%, B
CR14	24092178	Chip, 0.1μF, ±10%, B
CR31	24092178	Chip, 0.1μF, ±10%, B
CR32	24092178	Chip, 0.1μF, ±10%, B
CR33	24092178	Chip, 0.1μF, ±10%, B
CS01	24085944	EL, 2.2μF, ±20%, 50V, NP
CS02	24085944	EL, 2.2μF, ±20%, 50V, NP
CS03	24206229	EL, 2.2μF, 50V
CS04	24206229	EL, 2.2μF, 50V
CS05	24206229	EL, 2.2μF, 50V
CS06	24206229	EL, 2.2μF, 50V
CS07	24206229	EL, 2.2μF, 50V
CS08	24206229	EL, 2.2μF, 50V
CS09	24206010	EL, 1μF, 50V
CS12	24781102	Chip, 1000pF, SL
CS13	24781102	Chip, 1000pF, SL
CS14	24206100	EL, 10μF, 50V
CS15	24206100	EL, 10μF, 50V
CS17	24666100	EL, 10μF, ±20%, 16V
CS18	24666100	EL, 10μF, ±20%, 16V
CS19	24206478	EL, 0.47μF, 50V
CS22	24666100	EL, 10μF, ±20%, 16V
CS23	24666100	EL, 10μF, ±20%, 16V
CS52	24797100	EL, 10μF, ±20%, 50V
CS53	24781102	Chip, 1000pF, SL
CV01	24815103	Chip, 0.01μF, ±10%, B
CV02	24085981	EL, 10μF, ±20%, 16V, NP
CV03	24666100	EL, 10μF, ±20%, 16V
CV04	24666100	EL, 10μF, ±20%, 16V
CV05	24814103	Chip, 0.01μF, +80%, -20%
CV06	24666100	EL, 10μF, ±20%, 16V
CV07	24814103	Chip, 0.01μF, +80%, -20%
CV08	24763471	EL, 470μF, ±20%, 16V
CV09	24666100	EL, 10μF, ±20%, 16V
CV10	24085970	EL, 10μF, ±20%, 16V, NP
CV11	24781331	Chip, 330pF, SL
CV12	24092178	Chip, 0.1μF, ±10%, B
CV13	24814103	Chip, 0.01μF, +80%, -20%
CV14	24781102	Chip, 1000pF, SL
CV15	24781102	Chip, 1000pF, SL
CV16	24781102	Chip, 1000pF, SL
CV17	24781102	Chip, 1000pF, SL
CV18	24781102	Chip, 1000pF, SL
CV19	24781102	Chip, 1000pF, SL
CV20	24763471	EL, 470μF, ±20%, 16V
CV23	24666101	EL, 100μF, ±20%, 16V
CV24	24814103	Chip, 0.01μF, +80%, -20%
CV25	24763471	EL, 470μF, ±20%, 16V
CV30	24781330	Chip, 33pF, SL
CV34	24781102	Chip, 1000pF, SL
CV35	24781102	Chip, 1000pF, SL
CV37	24781102	Chip, 1000pF, SL
CV39	24666101	EL, 100μF, ±20%, 16V
CV40	24814103	Chip, 0.01μF, +80%, -20%
CV46	24212332	CD, 3300pF, ±10%
CV47	24212332	CD, 3300pF, ±10%
CV48	24212102	CD, 1000pF, ±10%

Location No.	Part No.	Description
CV65	24203101	EL, 100μF, ±20%, 16V
CV66	24203101	EL, 100μF, ±20%, 16V
CV67	24763471	EL, 470μF, ±20%, 16V
CV68	24763471	EL, 470μF, ±20%, 16V
CV81	24232103	CD, 0.01μF, +80%, -20%
CW01	24781121	Chip, 120pF, SL
CW02	24781121	Chip, 120pF, SL
CW03	24781470	Chip, 47pF, SL
CW04	24085945	EL, 2.2μF, ±20%, 50V, NP
CW040	24591822	PF, 8200pF
CW05	24781121	Chip, 120pF, SL
CW050	24212103	CD, 0.01μF, ±10%
CW06	24781121	Chip, 120pF, SL
CW07	24206229	EL, 2.2μF, 50V
CW070	24666470	EL, 47μF, ±20%, 16V
CW08	24781121	Chip, 120pF, SL
CW09	24781121	Chip, 120pF, SL
CW10	24206229	EL, 2.2μF, 50V
CW11	24781330	Chip, 33pF, SL
CW12	24781820	Chip, 82pF, SL
CW13	24781330	Chip, 33pF, SL
CW14	24781820	Chip, 82pF, SL
CW15	24781330	Chip, 33pF, SL
CW16	24781820	Chip, 82pF, SL
CW17	24206010	EL, 1μF, 50V
CW27	24203100	EL, 10μF, ±20%, 16V
CW28	24203100	EL, 10μF, ±20%, 16V
CW29	24203100	EL, 10μF, ±20%, 16V
CW30	24202221	EL, 220μF, ±20%, 10V
CW31	24092294	Chip, 0.33μF, +80%, -20%, 16V
CW32	24781331	Chip, 330pF, SL
CW33	24092294	Chip, 0.33μF, +80%, -20%, 16V
CW34	24814103	Chip, 0.01μF, +80%, -20%
CW35	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW36	24814103	Chip, 0.01μF, +80%, -20%
CW37	24814103	Chip, 0.01μF, +80%, -20%
CW38	24202101	EL, 100μF, 10V
CW39	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW40	24203101	EL, 100μF, ±20%, 16V
CW41	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW42	24201101	EL, 100μF, 6.3V
CW43	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW44	24201101	EL, 100μF, 6.3V
CW45	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW46	24206010	EL, 1μF, 50V
CW47	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW48	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW49	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW50	24202221	EL, 220μF, ±20%, 10V
CW51	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW52	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW53	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW54	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW55	24815472	Chip, 4700pF, ±10%, B
CW56	24781221	Chip, 220pF, SL
CW60	24092441	Chip, 1μF, +80%, -20%, 16V
CW61	24781182	Chip, 1800pF, SL
CW62	24781182	Chip, 1800pF, SL
CW63	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW68	24092293	Chip, 0.1μF, +80%,-20%, 25V
CW70	24814103	Chip, 0.01μF, +80%, -20%
CW72	24567103	PF, 0.01μF
CW73	24774471	Chip, 470pF, CH
CW74	24814103	Chip, 0.01μF, +80%, -20%
CW75	24092293	Chip, 0.1μF, +80%,-20%, 25V

Location No.	Part No.	Description
CW80	24092441	Chip, 1μF, +80%, −20%, 16V
CW81	24092441	Chip, 1μF, +80%, −20%, 16V
CW82	24781330	Chip, 33pF, SL
CW83	24781330	Chip, 33pF, SL
CW85	24781330	Chip, 33pF, SL
CW86	24781330	Chip, 33pF, SL
CW87	24781330	Chip, 33pF, SL
CW88	24781330	Chip, 33pF, SL
CW89	24781330	Chip, 33pF, SL
CW90	24781330	Chip, 33pF, SL
CW91	24781330	Chip, 33pF, SL
CW92	24781330	Chip, 33pF, SL
CW93	24781330	Chip, 33pF, SL
CW94	24781101	Chip, 100pF, SL
CW95	24781101	Chip, 100pF, SL
CW96	24814103	Chip, 0.01μF, +80%, −20%
CW97	24781101	Chip, 100pF, SL
CW120	24666470	EL, 47μF, ±20%, 16V
CW130	24790100	EL, 10μF, ±20%, 160V
CW140	24436101	CD, 100pF
CW150	24214472	CD, 4700pF, ±10%, 500V
CW160	24436101	CD, 100pF
CW170	24214472	CD, 4700pF, ±10%, 500V
CW180	24666470	EL, 47μF, ±20%, 16V
CW190	24435560	CD, 56pF, 500V
CW200	24790100	EL, 10μF, ±20%, 160V
CW210	24794470	EL, 47μF, ±20%, 16V
CW220	24436561	CD, 560pF
CW260	24212102	CD, 1000pF, ±10%
CZ08	24794100	EL, 10μF, ±20%, 16V
CZ09	24781220	Chip, 22pF, SL
CZ10	24781180	Chip, 18pF, SL
CZ11	24781100	Chip, 10pF, ±0.5%, SL
CZ12	24814103	Chip, 0.01μF, +80%, −20%
CZ13	24092178	Chip, 0.1μF, ±10%, B
CZ14	24617816	EL, 10μF, ±20%, 50V
CZ15	24814103	Chip, 0.01μF, +80%, −20%
CZ16	24206478	EL, 0.47μF, 50V
CZ17	24814103	Chip, 0.01μF, +80%, −20%
CZ19	24781181	Chip, 180pF, SL
CZ20	24815103	Chip, 0.01μF, ±10%, B
CZ21	24781390	Chip, 39pF, SL
CZ22	24617816	EL, 10μF, ±20%, 50V
CZ23	24092178	Chip, 0.1μF, ±10%, B
CZ24	24092178	Chip, 0.1μF, ±10%, B
CZ25	24203101	EL, 100μF, ±20%, 16V
CZ26	24814103	Chip, 0.01μF, +80%, −20%
CZ28	24814103	Chip, 0.01μF, +80%, −20%
CZ29	24092178	Chip, 0.1μF, ±10%, B
CZ30	24617816	EL, 10μF, ±20%, 50V
CZ32	24781120	Chip, 12pF, SL
CZ33	24781120	Chip, 12pF, SL
CZ34	24781120	Chip, 12pF, SL
CZ35	24781120	Chip, 12pF, SL
CZ37	24092178	Chip, 0.1μF, ±10%, B
CZ38	24092178	Chip, 0.1μF, ±10%, B
CZ45	24781100	Chip, 10pF, ±0.5%, SL

RESISTORS

R101	24382223	OMF, 22k ohm, 1W
R102	24366104	CF, 100k ohm
R201	24872681	Chip, 680 ohm, 1/16W
R202	24872821	Chip, 820 ohm, 1/16W
R203	24872100	Chip, 10 ohm, 1/16W
R204	24872104	Chip, 100k ohm, 1/16W
R205	24872101	Chip, 100 ohm, 1/16W
R206	24872102	Chip, 1k ohm, 1/16W
R207	24872101	Chip, 100 ohm, 1/16W
R208	24366103	CF, 10k ohm
R208	24872101	Chip, 100 ohm, 1/16W
R209	24872101	Chip, 100 ohm, 1/16W
R209	24366123	CF, 12k ohm
R210	24872272	Chip, 2700 ohm, 1/16W
R211	24366333	CF, 33k ohm
R212	24872472	Chip, 4700 ohm, 1/16W
R213	24872122	Chip, 1200 ohm, 1/16W
R214	24872222	Chip, 2200 ohm, 1/16W
R215	24872101	Chip, 100 ohm, 1/16W
R216	24872103	Chip, 10k ohm, 1/16W
R217	24872103	Chip, 10k ohm, 1/16W
R217	24366102	CF, 1k ohm
R218	24366153	CF, 15k ohm
R218	24872223	Chip, 22k ohm, 1/16W
R219	24872103	Chip, 10k ohm, 1/16W
R221	24872102	Chip, 1k ohm, 1/16W
R222	24872102	Chip, 1k ohm, 1/16W
R223	24872102	Chip, 1k ohm, 1/16W
R226	24872101	Chip, 100 ohm, 1/16W
R227	24366113	CF, 11k ohm
R233	24872104	Chip, 100k ohm, 1/16W
R273	24872473	Chip, 47k ohm, 1/16W
R274	24872102	Chip, 1k ohm, 1/16W
R275	24872101	Chip, 100 ohm, 1/16W
R276	24872683	Chip, 68k ohm, 1/16W
R277	24872103	Chip, 10k ohm, 1/16W
R278	24872473	Chip, 47k ohm, 1/16W
R279	24872473	Chip, 47k ohm, 1/16W
R280	24872103	Chip, 10k ohm, 1/16W
R281	24872682	Chip, 6800 ohm, 1/16W
R301	24366102	CF, 1k ohm
R303	24321129	MF, 1.2 ohm, 1/2W
R304	24366223	CF, 22k ohm
R305	24322828	OMF, 0.82 ohm, 1W
R306	24366333	CF, 33k ohm
R307	24366224	CF, 220k ohm
R308	24382391	OMF, 390 ohm, 1W
R309	24366102	CF, 1k ohm
R310	24366102	CF, 1k ohm
R311	24366392	CF, 3900 ohm
R312	24366153	CF, 15k ohm
R313	24366153	CF, 15k ohm
R314	24366154	CF, 150k ohm
R315	24366824	CF, 820k ohm
R316	24366105	CF, 1M ohm
R317	24366104	CF, 100k ohm
R318	24366101	CF, 100 ohm
R319	24366101	CF, 100 ohm
R327	24000187	FR, 3.3 ohm, 1W
R328	24366563	CF, 56k ohm
R329	24366123	CF, 12k ohm
R330	24366102	CF, 1k ohm
R336	24383271	OMF, 270 ohm, 2W
R341	24366562	CF, 5600 ohm
R343	24366153	CF, 15k ohm
R346	24366102	CF, 1k ohm
R350	24366222	CF, 2200 ohm
R351	24366823	CF, 82k ohm
R352	24366104	CF, 100k ohm

Location No.	Part No.	Description
R353	24382101	OMF, 100 ohm, 1W
R354	24366562	CF, 5600 ohm
R356	24366823	CF, 82k ohm
R357	24366302	CF, 3k ohm
R358	24366103	CF, 10k ohm
R359	24366472	CF, 4700 ohm
R360	24383121	OMF, 120 ohm, 2W
R361	24383121	OMF, 120 ohm, 2W
R362	24366682	CF, 6800 ohm
R363	24366102	CF, 1k ohm
R364	24366562	CF, 5600 ohm
R370	24321159	MF, 1.5 ohm, 1/2W
R371	24366562	CF, 5600 ohm
R372	24366392	CF, 3900 ohm
R373	24366182	CF, 1800 ohm
R374	24366473	CF, 47k ohm
R375	24366102	CF, 1k ohm
R380	24366122	CF, 1200 ohm
R381	24366123	CF, 12k ohm
R382	24366562	CF, 5600 ohm
R383	24366101	CF, 100 ohm
R384	24366562	CF, 5600 ohm
R389	24366222	CF, 2200 ohm
R390	24553561	OMF, 560 ohm, 1W
R391	24553561	OMF, 560 ohm, 1W
R392	24553561	OMF, 560 ohm, 1W
R393	24366184	CF, 180k ohm
R394	24366153	CF, 15k ohm
R395	24366102	CF, 1k ohm
R396	24366682	CF, 6800 ohm
R399	24366102	CF, 1k ohm
R400	24942102	CC, 1000pF, 1/2W
R401	24872391	Chip, 390 ohm, 1/16W
R402	24872103	Chip, 10k ohm, 1/16W
R403	24872302	Chip, 3k ohm, 1/16W
R405	24382332	OMF, 3300 ohm, 1W
R407	24872103	Chip, 10k ohm, 1/16W
R409	24553103	OMF, 10k ohm, 1W
R410	24366331	CF, 330 ohm
R411	24366471	CF, 470 ohm
R413	24872274	Chip, 270k ohm, 1/16W
R414	24383270	OMF, 27 ohm, 2W
R415	24553272	OMF, 2700 ohm, 1W
R416	24510622	Cement, 6200 ohm, 5W
R417	24366101	CF, 100 ohm
R424	24546338	FR, 0.33 ohm, 1/2W
R425	24552331	OMF, 330 ohm, 1/2W
R426	24366821	CF, 820 ohm
R427	24366392	CF, 3900 ohm
R428	24366561	CF, 560 ohm
R429	24552560	OMF, 56 ohm, 1/2W
R431	24382100	OMF, 10 ohm, 1W
R432	24532560	FR, 56 ohm, 1W
R434	24366102	CF, 1k ohm
R435	24366333	CF, 33k ohm
R436	24327224	MF, 220k ohm, ±1%, 1/4W
R437	24321209	MF, 2 ohm, 1/2W
R438	24366152	CF, 1500 ohm
R439	24366472	CF, 4700 ohm
R441	24532102	FR, 1k ohm, 1W
R442	24382513	OMF, 51k ohm, 1W
R443	24310109	MF, 1.0 ohm, 1/2W
R444	24338398	MF, 0.39 ohm, 1W
R445	24553332	OMF, 3300 ohm, 1W

Location No.	Part No.	Description
R446	24553332	OMF, 3300 ohm, 1W
R447	24382473	OMF, 47k ohm, 1W
R448	24338828	MF, 0.82 ohm, 1W
R450	24066879	VR, 1k ohm, 0.3W
R451	24376223	CF, 22k ohm, 1/2W
R452	24376223	CF, 22k ohm, 1/2W
R453	24376223	CF, 22k ohm, 1/2W
R454	24366223	CF, 22k ohm
R455	24367333	CF, 33k ohm, ±2%
R458	24366823	CF, 82k ohm
R459	24367273	CF, 27k ohm, ±2%
R460	24381332	omf, 3300 ohm, 1/2W
R461	24552332	OMF, 3300 ohm, 1/2W
R462	24367103	CF, 10k ohm, ±2%
R463	24339109	MF, 1.0 ohm, 2W
R464	24366273	CF, 27k ohm
R465	24366114	CF, 110k ohm
R466	24366102	CF, 1k ohm
R467	24366102	CF, 1k ohm
R468	24366333	CF, 33k ohm
R469	24000465	FR, 9.1 ohm, 1W
R472	24552270	OMF, 27 ohm, 1/2W
R477	24383121	OMF, 120 ohm, 2W
R478	24376333	CF, 33k ohm, 1/2W
R479	24366101	CF, 100 ohm
R480	24382272	OMF, 2700 ohm, 1W
R481	24366393	CF, 39k ohm
R482	24366103	CF, 10k ohm
R483	24366154	CF, 150k ohm
R484	24366473	CF, 47k ohm
R485	24381221	OMF, 220 ohm, 1/2W
R486	24366392	CF, 3900 ohm
R487	24366472	CF, 4700 ohm
R488	24366474	CF, 470k ohm
R489	24366332	CF, 3300 ohm
R490	24366332	CF, 3300 ohm
R491	24366912	CF, 9100 ohm
R492	24366102	CF, 1k ohm
R493	24366682	CF, 6800 ohm
R494	24366183	CF, 18k ohm
R497	24381221	OMF, 220 ohm, 1/2W
R501	24872623	Chip, 62k ohm, 1/16W
R502	24872101	Chip, 100 ohm, 1/16W
R503	24872101	Chip, 100 ohm, 1/16W
R505	24872102	Chip, 1k ohm, 1/16W
R506	24872103	Chip, 10k ohm, 1/16W
R508	24872102	Chip, 1k ohm, 1/16W
R509	24872102	Chip, 1k ohm, 1/16W
R510	24872102	Chip, 1k ohm, 1/16W
R511	24872101	Chip, 100 ohm, 1/16W
R512	24872101	Chip, 100 ohm, 1/16W
R520	24872473	Chip, 47k ohm, 1/16W
R521	24872473	Chip, 47k ohm, 1/16W
R522	24872473	Chip, 47k ohm, 1/16W
R601	24366562	CF, 5600 ohm
R602	24366562	CF, 5600 ohm
R603	24366272	CF, 2700 ohm
R604	24366272	CF, 2700 ohm
R605	24366229	CF, 2.2 ohm
R606	24366229	CF, 2.2 ohm
R607	24366153	CF, 15k ohm
R608	24366153	CF, 15k ohm
R610	24366103	CF, 10k ohm
R6101	24366473	CF, 47k ohm

Location No.	Part No.	Description
R6102	24366103	CF, 10k ohm
R6103	24366331	CF, 330 ohm
R6104	24366473	CF, 47k ohm
R6105	24366473	CF, 47k ohm
R611	24366103	CF, 10k ohm
R612	24366103	CF, 10k ohm
R613	24366333	CF, 33k ohm
R614	24366104	CF, 100k ohm
R615	24366223	CF, 22k ohm
R623	24366229	CF, 2.2 ohm
R624	24366229	CF, 2.2 ohm
R631	24366562	CF, 5600 ohm
R632	24366473	CF, 47k ohm
R633	24366223	CF, 22k ohm
R634	24366562	CF, 5600 ohm
R636	24366104	CF, 100k ohm
R643	24366229	CF, 2.2 ohm
R644	24366229	CF, 2.2 ohm
R661	24366563	CF, 56k ohm
R662	24366683	CF, 68k ohm
R663	24366104	CF, 100k ohm
R664	24366183	CF, 18k ohm
R665	24366102	CF, 1k ohm
R666	24366333	CF, 33k ohm
R670	24552102	OMF, 1k ohm, 1/2W
R671	24366102	CF, 1k ohm
R671	24366103	CF, 10k ohm
R672	24366102	CF, 1k ohm
R672	24366153	CF, 15k ohm
R673	24366563	CF, 56k ohm
R673	24366102	CF, 1k ohm
R674	24366563	CF, 56k ohm
R675	24366102	CF, 1k ohm
R676	24366103	CF, 10k ohm
R676	24872223	Chip, 22k ohm, 1/16W
R677	24366104	CF, 100k ohm
R677	24872223	Chip, 22k ohm, 1/16W
R678	24366103	CF, 10k ohm
R678	24872223	Chip, 22k ohm, 1/16W
R679	24366103	CF, 10k ohm
R679	24872223	Chip, 22k ohm, 1/16W
R680	24872223	Chip, 22k ohm, 1/16W
R681	24872223	Chip, 22k ohm, 1/16W
R681	24366223	CF, 22k ohm
R682	24366102	CF, 1k ohm
R682	24366473	CF, 47k ohm
R683	24366223	CF, 22k ohm
R683	24366102	CF, 1k ohm
R684	24366223	CF, 22k ohm
R685	24366223	CF, 22k ohm
R686	24366223	CF, 22k ohm
R688	24366222	CF, 2200 ohm
R688	24552391	OMF, 390 ohm, 1/2W
R689	24366682	CF, 6800 ohm
R690	24872681	Chip, 680 ohm, 1/16W
R690	24552391	OMF, 390 ohm, 1/2W
R691	24366822	CF, 8200 ohm
R691	24872681	Chip, 680 ohm, 1/16W
R692	24366562	CF, 5600 ohm
R692	24872681	Chip, 680 ohm, 1/16W
R693	24366473	CF, 47k ohm
R693	24872681	Chip, 680 ohm, 1/16W
R694	24872681	Chip, 680 ohm, 1/16W
R694	24366103	CF, 10k ohm

Location No.	Part No.	Description
R695	24872681	Chip, 680 ohm, 1/16W
R695	24366103	CF, 10k ohm
R696	24366473	CF, 47k ohm
R697	24366562	CF, 5600 ohm
R698	24366102	CF, 1k ohm
R699	24366104	CF, 100k ohm
R701	24872221	Chip, 220 ohm, 1/16W
R702	24872221	Chip, 220 ohm, 1/16W
R703	24872472	Chip, 4700 ohm, 1/16W
R704	24872472	Chip, 4700 ohm, 1/16W
R705	24872472	Chip, 4700 ohm, 1/16W
R706	24872472	Chip, 4700 ohm, 1/16W
R707	24872100	Chip, 10 ohm, 1/16W
R708	24872100	Chip, 10 ohm, 1/16W
R709	24872100	Chip, 10 ohm, 1/16W
R710	24872100	Chip, 10 ohm, 1/16W
R711	24872100	Chip, 10 ohm, 1/16W
R712	24872100	Chip, 10 ohm, 1/16W
R713	24872100	Chip, 10 ohm, 1/16W
R714	24872100	Chip, 10 ohm, 1/16W
R715	24872153	Chip, 15k ohm, 1/16W
R716	24872103	Chip, 10k ohm, 1/16W
R717	24872622	Chip, 6200 ohm, 1/16W
R718	24872152	Chip, 1500 ohm, 1/16W
R720	24872103	Chip, 10k ohm, 1/16W
R721	24872223	Chip, 22k ohm, 1/16W
R722	24872222	Chip, 2200 ohm, 1/16W
R725	24872754	Chip, 750k ohm, 1/16W
R726	24872331	Chip, 330 ohm, 1/16W
R727	24871221	Chip, 220 ohm, 1/8W
R728	24872393	Chip, 39k ohm, 1/16W
R729	24872153	Chip, 15k ohm, 1/16W
R730	24366104	CF, 100k ohm
R731	24366103	CF, 10k ohm
R732	24366473	CF, 47k ohm
R733	24366473	CF, 47k ohm
R735	24872911	Chip, 910 ohm, 1/16W
R736	24872911	Chip, 910 ohm, 1/16W
R737	24872152	Chip, 1500 ohm, 1/16W
R738	24872332	Chip, 3300 ohm, 1/16W
R739	24872362	Chip, 3600 ohm, 1/16W
R740	24872911	Chip, 910 ohm, 1/16W
R741	24872911	Chip, 910 ohm, 1/16W
R742	24872152	Chip, 1500 ohm, 1/16W
R743	24872332	Chip, 3300 ohm, 1/16W
R744	24872362	Chip, 3600 ohm, 1/16W
R745	24872911	Chip, 910 ohm, 1/16W
R746	24872911	Chip, 910 ohm, 1/16W
R747	24872152	Chip, 1500 ohm, 1/16W
R748	24872332	Chip, 3300 ohm, 1/16W
R749	24872362	Chip, 3600 ohm, 1/16W
R750	24872911	Chip, 910 ohm, 1/16W
R751	24872911	Chip, 910 ohm, 1/16W
R752	24872152	Chip, 1500 ohm, 1/16W
R753	24872332	Chip, 3300 ohm, 1/16W
R754	24872362	Chip, 3600 ohm, 1/16W
R755	24872911	Chip, 910 ohm, 1/16W
R756	24872911	Chip, 910 ohm, 1/16W
R757	24872152	Chip, 1500 ohm, 1/16W
R758	24872332	Chip, 3300 ohm, 1/16W
R759	24872362	Chip, 3600 ohm, 1/16W
R760	24872911	Chip, 910 ohm, 1/16W
R761	24872911	Chip, 910 ohm, 1/16W
R762	24872152	Chip, 1500 ohm, 1/16W

Location No.	Part No.	Description
R763	24872332	Chip, 3300 ohm, 1/16W
R764	24872362	Chip, 3600 ohm, 1/16W
R778	24872101	Chip, 100 ohm, 1/16W
R779	24872101	Chip, 100 ohm, 1/16W
R780	24872101	Chip, 100 ohm, 1/16W
R781	24872101	Chip, 100 ohm, 1/16W
R782	24872101	Chip, 100 ohm, 1/16W
R783	24872101	Chip, 100 ohm, 1/16W
R786	24872472	Chip, 4700 ohm, 1/16W
R787	24872472	Chip, 4700 ohm, 1/16W
R792	24366473	CF, 47k ohm
R793	24366473	CF, 47k ohm
R795	24366472	CF, 4700 ohm
R796	24366682	CF, 6800 ohm
⚠R801	24009954	Metal-Glazed Resistor, 2.2M ohm, 1/2W
⚠R802	24009954	Metal-Glazed Resistor, 2.2M ohm, 1/2W
R803	24555273	OMF, 27k ohm, 3W
R804	24545109	FR, 1 ohm, 1/4W
R805	24366101	CF, 100 ohm
R806	24007061	Cement, 1.8 ohm, ±10%, 2W
R807	24510479	Cement, 4.7 ohm, 5W
R808	24366472	CF, 4700 ohm
R809	24366102	CF, 1k ohm
R811	24366820	CF, 82 ohm
R812	24381153	OMF, 15k ohm, 1/2W
R813	24366182	CF, 1800 ohm
R814	24366122	CF, 1200 ohm
R815	24552561	OMF, 560 ohm, 1/2W
R816	24322689	OMF, 6.8 ohm, 1W
R817	24366471	CF, 470 ohm
R818	24322278	MF, 0.27 ohm, 1W
R819	24321568	MF, 0.56 ohm, 1/2W
R821	24366101	CF, 100 ohm
R822	24321568	MF, 0.56 ohm, 1/2W
R825	24366153	CF, 15k ohm
R827	24366102	CF, 1k ohm
R828	24366562	CF, 5600 ohm
R829	24322278	MF, 0.27 ohm, 1W
R830	24569181	Cement, 180 ohm, 10W
R831	24554152	OMF, 1500 ohm, 2W
R832	24383152	OMF, 1500 ohm, 2W
R833	24366103	CF, 10k ohm
R834	24366103	CF, 10k ohm
R836	24554121	OMF, 120 ohm, 2W
R837	24545109	FR, 1 ohm, 1/4W
R840	24366681	CF, 680 ohm
R842	24381391	OMF, 390 ohm, 1/2W
R843	24552561	OMF, 560 ohm, 1/2W
R844	24366471	CF, 470 ohm
R844	24366223	CF, 22k ohm
R845	24338568	MF, 0.56 ohm, 1W
R846	24381301	OMF, 300 ohm, 1/2W
R847	24366103	CF, 10k ohm
R847	24381750	OMF, 75 ohm, 1/2W
R851	24545109	FR, 1 ohm, 1/4W
R861	24569229	Cement, 2.2 ohm, 10W
R862	24555273	OMF, 27k ohm, 3W
R864	24366101	CF, 100 ohm
R864	24366101	CF, 100 ohm
R865	24339518	MF, 0.51OHM, 2W
R865	24339518	MF, 0.51OHM, 2W
R866	24552561	OMF, 560 ohm, 1/2W

Location No.	Part No.	Description
R866	24552561	OMF, 560 ohm, 1/2W
R867	24321688	MF, 0.68 ohm, 1/2W
R867	24321688	MF, 0.68 ohm, 1/2W
R868	24552103	OMF, 10k ohm, 1/2W
R869	24366272	CF, 2700 ohm
R870	24366122	CF, 1200 ohm
R8701	24554391	OMF, 390 ohm, 2W
R871	24366272	CF, 2700 ohm
R872	24366392	CF, 3900 ohm
R873	24366103	CF, 10k ohm
R875	24366103	CF, 10k ohm
R879	24366102	CF, 1k ohm
R882	24366472	CF, 4700 ohm
R883	24366472	CF, 4700 ohm
R884	24366472	CF, 4700 ohm
R885	24366472	CF, 4700 ohm
R886	24366472	CF, 4700 ohm
R887	24552162	OMF, 1600 ohm, 1/2W
R890	24382333	OMF, 33k ohm, 1W
R891	24552820	OMF, 82 ohm, 1/2W
R892	24552391	OMF, 390 ohm, 1/2W
R893	24552561	OMF, 560 ohm, 1/2W
R894	24366562	CF, 5600 ohm
R895	24531120	FR, 12 ohm, 1/2W
R896	24366102	CF, 1k ohm
R897	24366101	CF, 100 ohm
R898	24366681	CF, 680 ohm
⚠R899	24005007	Metal-Glazed Resistor, 8.2M ohm, 1W
R899A	23160994	Terminal
R901	24366101	CF, 100 ohm
R903	24942102	CC, 1000pF, 1/2W
R904	24366102	CF, 1k ohm
R905	24366820	CF, 82 ohm
R906	24366471	CF, 470 ohm
R908	24366430	CF, 43 ohm
R909	24366680	CF, 68 ohm
R911	24366101	CF, 100 ohm
R913	24942102	CC, 1000pF, 1/2W
R914	24366102	CF, 1k ohm
R915	24366101	CF, 100 ohm
R916	24366471	CF, 470 ohm
R918	24366430	CF, 43 ohm
R921	24366101	CF, 100 ohm
R923	24942102	CC, 1000pF, 1/2W
R924	24366102	CF, 1k ohm
R925	24366820	CF, 82 ohm
R926	24366471	CF, 470 ohm
R928	24366430	CF, 43 ohm
R931	24555153	OMF, 15k ohm, 3W
R932	24555153	OMF, 15k ohm, 3W
R933	24000929	FR, 1.5 ohm, 2W
R935	24366150	CF, 15 ohm
R936	24366330	CF, 33 ohm
R941	24555153	OMF, 15k ohm, 3W
R942	24555153	OMF, 15k ohm, 3W
R943	24366103	CF, 10k ohm
R944	24366120	CF, 12 ohm
R945	24366560	CF, 56 ohm
R946	24366330	CF, 33 ohm
R947	24366102	CF, 1k ohm
R948	24366101	CF, 100 ohm
R949	24366300	CF, 30 ohm
R951	24555153	OMF, 15k ohm, 3W

Location No.	Part No.	Description
R952	24555153	OMF, 15k ohm, 3W
R953	24366680	CF, 68 ohm
R956	24366101	CF, 100 ohm
R957	24366330	CF, 33 ohm
R961	24366821	CF, 820 ohm
R962	24366391	CF, 390 ohm
R963	24366222	CF, 2200 ohm
R964	24366332	CF, 3300 ohm
R965	24366471	CF, 470 ohm
R966	24366821	CF, 820 ohm
R967	24366122	CF, 1200 ohm
R968	24366101	CF, 100 ohm
R969	24366103	CF, 10k ohm
R970	24366222	CF, 2200 ohm
R971	24367152	CF, 1500 ohm, ±2%
R972	24367471	CF, 470 ohm, ±2%
R973	24367681	CF, 680 ohm, ±2%
R974	24367681	CF, 680 ohm, ±2%
R975	24366242	CF, 2400 ohm
R976	24367682	CF, 560 ohm, ±2%
R977	24367332	CF, 3300 ohm, ±2%
R978	24367681	CF, 680 ohm, ±2%
R7707	24366472	CF, 4700 ohm
R7708	24366472	CF, 4700 ohm
R7710	24555680	OMF, 68 ohm, 3W
R7711	24323229	MF, 2.2 ohm, 2W
R7712	24366472	CF, 4700 ohm
R7713	24366472	CF, 4700 ohm
R7715	24555680	OMF, 68 ohm, 3W
R7716	24323229	MF, 2.2 ohm, 2W
R7717	24366472	CF, 4700 ohm
R7718	24366472	CF, 4700 ohm
R7720	24555680	OMF, 68 ohm, 3W
R7721	24323229	MF, 2.2 ohm, 2W
R7722	24366472	CF, 4700 ohm
R7723	24366472	CF, 4700 ohm
R7725	24555680	OMF, 68 ohm, 3W
R7726	24323229	MF, 2.2 ohm, 2W
R7727	24366472	CF, 4700 ohm
R7728	24366472	CF, 4700 ohm
R7730	24555680	OMF, 68 ohm, 3W
R7731	24323229	MF, 2.2 ohm, 2W
R7732	24366472	CF, 4700 ohm
R7733	24366472	CF, 4700 ohm
R7735	24555680	OMF, 68 ohm, 3W
R7736	24323229	MF, 2.2 ohm, 2W
R7738	24383101	OMF, 100 ohm, 2W
R7741	24366102	CF, 1k ohm
R7742	24366102	CF, 1k ohm
R7743	24366223	CF, 22k ohm
R7744	24366102	CF, 1k ohm
R7745	24366152	CF, 1500 ohm
R7746	24366223	CF, 22k ohm
R7747	24366222	CF, 2200 ohm
R7749	24366331	CF, 330 ohm
R7750	24323278	MF, 0.27 ohm, 2W
R7751	24366471	CF, 470 ohm
R7757	24366223	CF, 22k ohm
R7758	24366222	CF, 2200 ohm
R7763	24366471	CF, 470 ohm
R7764	24366331	CF, 330 ohm
R7765	24339398	MF, 0.39 ohm, 2W
R7766	24366223	CF, 22k ohm
R7767	24366223	CF, 22k ohm

Location No.	Part No.	Description
R7768	24366102	CF, 1k ohm
R7770	24366222	CF, 2200 ohm
R7771	24366102	CF, 1k ohm
R7772	24366102	CF, 1k ohm
R7775	24366273	CF, 27k ohm
R7776	24366472	CF, 4700 ohm
R7777	24366273	CF, 27k ohm
R7778	24366472	CF, 4700 ohm
R7779	24366102	CF, 1k ohm
R7780	24366102	CF, 1k ohm
R7781	24366333	CF, 33k ohm
R7782	24339828	OMF, 0.82 ohm, 2W
R7783	24366331	CF, 330 ohm
R7784	24366471	CF, 470 ohm
R7785	24366222	CF, 2200 ohm
R7786	24366103	CF, 10k ohm
R7787	24366104	CF, 100k ohm
R7788	24366103	CF, 10k ohm
R7789	24366471	CF, 470 ohm
R7790	24552182	OMF, 1800 ohm, 1/2W
R7791	24552681	OMF, 680 ohm, 1/2W
R7792	24366471	CF, 470 ohm
R7801	24366472	CF, 4700 ohm
R7802	24366103	CF, 10k ohm
R7803	24366103	CF, 10k ohm
R8101	24383122	OMF, 1200 ohm, 2W
R8102	24554122	OMF, 1200 ohm, 2W
R8301	24366222	CF, 2200 ohm
R8302	24366472	CF, 4700 ohm
R8305	24366222	CF, 2200 ohm
R8306	24366472	CF, 4700 ohm
R8309	24366473	CF, 47k ohm
R8310	24366473	CF, 47k ohm
R9601	24366680	CF, 68 ohm
R9602	24366472	CF, 4700 ohm
R9603	24366472	CF, 4700 ohm
R9604	24366272	CF, 2700 ohm
R9605	24366562	CF, 5600 ohm
R9606	24366242	CF, 2400 ohm
R9613	24366470	CF, 47 ohm
R9614	24366470	CF, 47 ohm
R9615	24366101	CF, 100 ohm
R9616	24366102	CF, 1k ohm
RA03	24366102	CF, 1k ohm
RA04	24366102	CF, 1k ohm
RA05	24366102	CF, 1k ohm
RA06	24366102	CF, 1k ohm
RA07	24366102	CF, 1k ohm
RA08	24366102	CF, 1k ohm
RA09	24366102	CF, 1k ohm
RA13	24366153	CF, 15k ohm
RA14	24366102	CF, 1k ohm
RA15	24366102	CF, 1k ohm
RA16	24366102	CF, 1k ohm
RA17	24366102	CF, 1k ohm
RA18	24366102	CF, 1k ohm
RA24	24366102	CF, 1k ohm
RA25	24366102	CF, 1k ohm
RA26	24366102	CF, 1k ohm
RA27	24366102	CF, 1k ohm
RA33	24366103	CF, 10k ohm
RA35	24366102	CF, 1k ohm
RA36	24366682	CF, 6800 ohm
RA37	24366101	CF, 100 ohm

Location No.	Part No.	Description
RA38	24366101	CF, 100 ohm
RA41	24366101	CF, 100 ohm
RA45	24366472	CF, 4700 ohm
RA60	24366470	CF, 47 ohm
RA61	24366103	CF, 10k ohm
RA62	24366103	CF, 10k ohm
RA70	24366333	CF, 33k ohm
RA71	24366683	CF, 68k ohm
RA72	24366223	CF, 22k ohm
RA73	24366103	CF, 10k ohm
RA75	24366333	CF, 33k ohm
RA76	24366103	CF, 10k ohm
RA78	24366102	CF, 1k ohm
RA90	24366101	CF, 100 ohm
RA101	24366102	CF, 1k ohm
RA102	24366473	CF, 47k ohm
RA103	24366102	CF, 1k ohm
RA105	24366103	CF, 10k ohm
RA111	24366101	CF, 100 ohm
RA112	24366101	CF, 100 ohm
RA113	24366101	CF, 100 ohm
RA114	24366101	CF, 100 ohm
RA115	24366472	CF, 4700 ohm
RA116	24366472	CF, 4700 ohm
RA118	24366472	CF, 4700 ohm
RA119	24366472	CF, 4700 ohm
RB01	24366271	CF, 270 ohm
RB02	24366221	CF, 220 ohm
RB03	24366101	CF, 100 ohm
RB04	24366223	CF, 22k ohm
RB09	24366470	CF, 47 ohm
RB11	24366103	CF, 10k ohm
RB12	24366471	CF, 470 ohm
RB40	24366103	CF, 10k ohm
RB41	24366182	CF, 1800 ohm
RB42	24366102	CF, 1k ohm
RB43	24366103	CF, 10k ohm
RB44	24366103	CF, 10k ohm
RB45	24366101	CF, 100 ohm
RB81	24366122	CF, 1200 ohm
RB82	24366123	CF, 12k ohm
RB83	24366123	CF, 12k ohm
RB84	24366562	CF, 5600 ohm
RB90	24366392	CF, 3900 ohm
RB91	24366473	CF, 47k ohm
RB92	24366271	CF, 270 ohm
RB93	24366271	CF, 270 ohm
RB94	24366222	CF, 2200 ohm
RB95	24366222	CF, 2200 ohm
RB96	24366273	CF, 27k ohm
RB97	24366273	CF, 27k ohm
RB98	24366102	CF, 1k ohm
RD01	24872101	Chip, 100 ohm, 1/16W
RD03	24871101	Chip, 100 ohm, 1/8W
RD04	24871101	Chip, 100 ohm, 1/8W
RD05	24872101	Chip, 100 ohm, 1/16W
RD06	24872101	Chip, 100 ohm, 1/16W
RD09	24872101	Chip, 100 ohm, 1/16W
RD10	24872101	Chip, 100 ohm, 1/16W
RD11	24872222	Chip, 2200 ohm, 1/16W
RD12	24872103	Chip, 10k ohm, 1/16W
RD13	24872101	Chip, 100 ohm, 1/16W
RD21	24872221	Chip, 220 ohm, 1/16W
RD23	24872221	Chip, 220 ohm, 1/16W

Location No.	Part No.	Description
RD27	24872101	Chip, 100 ohm, 1/16W
RD28	24872101	Chip, 100 ohm, 1/16W
RD29	24872101	Chip, 100 ohm, 1/16W
RD30	24872223	Chip, 22k ohm, 1/16W
RD31	24872223	Chip, 22k ohm, 1/16W
RD32	24872223	Chip, 22k ohm, 1/16W
RD33	24872101	Chip, 100 ohm, 1/16W
RD34	24872102	Chip, 1k ohm, 1/16W
RD35	24872102	Chip, 1k ohm, 1/16W
RD36	24872101	Chip, 100 ohm, 1/16W
RD39	24872101	Chip, 100 ohm, 1/16W
RD40	24872101	Chip, 100 ohm, 1/16W
RD41	24872223	Chip, 22k ohm, 1/16W
RD42	24872101	Chip, 100 ohm, 1/16W
RD43	24872101	Chip, 100 ohm, 1/16W
RD44	24872101	Chip, 100 ohm, 1/16W
RD51	24872221	Chip, 220 ohm, 1/16W
RD53	24872221	Chip, 220 ohm, 1/16W
RD61	24872221	Chip, 220 ohm, 1/16W
RD63	24872221	Chip, 220 ohm, 1/16W
RD71	24366100	CF, 10 ohm
RD75	24366100	CF, 10 ohm
RD79	24366100	CF, 10 ohm
RD81	24321109	MF, 1 ohm, 1/2W
RD82	24871151	Chip, 150 ohm, 1/8W
RD85	24872151	Chip, 150 ohm, 1/16W
RD87	24872151	Chip, 150 ohm, 1/16W
RD88	24872222	Chip, 2200 ohm, 1/16W
RD89	24872151	Chip, 150 ohm, 1/16W
RD92	24872473	Chip, 47k ohm, 1/16W
RD93	24872222	Chip, 2200 ohm, 1/16W
RD94	24872101	Chip, 100 ohm, 1/16W
RD101	24872331	Chip, 330 ohm, 1/16W
RD102	24872331	Chip, 330 ohm, 1/16W
RD103	24872331	Chip, 330 ohm, 1/16W
RD104	24872331	Chip, 330 ohm, 1/16W
RD105	24872472	Chip, 4700 ohm, 1/16W
RD106	24872472	Chip, 4700 ohm, 1/16W
RD107	24872472	Chip, 4700 ohm, 1/16W
RD108	24872472	Chip, 4700 ohm, 1/16W
RD109	24872472	Chip, 4700 ohm, 1/16W
RD110	24872472	Chip, 4700 ohm, 1/16W
RD111	24872101	Chip, 100 ohm, 1/16W
RD112	24872101	Chip, 100 ohm, 1/16W
RD113	24872472	Chip, 4700 ohm, 1/16W
RD201	24872101	Chip, 100 ohm, 1/16W
RD202	24872101	Chip, 100 ohm, 1/16W
RD203	24872392	Chip, 3900 ohm, 1/16W
RD204	24872392	Chip, 3900 ohm, 1/16W
RD205	24872101	Chip, 100 ohm, 1/16W
RD206	24872101	Chip, 100 ohm, 1/16W
RD207	24872104	Chip, 100k ohm, 1/16W
RD208	24872472	Chip, 4700 ohm, 1/16W
RD209	24872472	Chip, 4700 ohm, 1/16W
RF01	24872332	Chip, 3300 ohm, 1/16W
RF03	24872682	Chip, 6800 ohm, 1/16W
RF04	24872223	Chip, 22k ohm, 1/16W
RF06	24872102	Chip, 1k ohm, 1/16W
RF08	24872100	Chip, 10 ohm, 1/16W
RF09	24872100	Chip, 10 ohm, 1/16W
RF10	24872100	Chip, 10 ohm, 1/16W
RF11	24872103	Chip, 10k ohm, 1/16W
RF12	24872101	Chip, 100 ohm, 1/16W
RF13	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
RF14	24872101	Chip, 100 ohm, 1/16W
RF15	24872103	Chip, 10k ohm, 1/16W
RF16	24872471	Chip, 470 ohm, 1/16W
RF20	24872472	Chip, 4700 ohm, 1/16W
RF21	24000824	Chip, Jumper, 2125 type
RF22	24872102	Chip, 1k ohm, 1/16W
RF24	24872102	Chip, 1k ohm, 1/16W
RF26	24872102	Chip, 1k ohm, 1/16W
RF27	24872103	Chip, 10k ohm, 1/16W
RF28	24872102	Chip, 1k ohm, 1/16W
RF29	24872103	Chip, 10k ohm, 1/16W
RF30	24872103	Chip, 10k ohm, 1/16W
RF38	24872153	Chip, 15k ohm, 1/16W
RF39	24872472	Chip, 4700 ohm, 1/16W
RQ01	24872102	Chip, 1k ohm, 1/16W
RQ03	24872102	Chip, 1k ohm, 1/16W
RQ04	24872511	Chip, 510 ohm, 1/16W
RQ05	24872471	Chip, 470 ohm, 1/16W
RQ06	24872471	Chip, 470 ohm, 1/16W
RQ07	24872103	Chip, 10k ohm, 1/16W
RQ08	24872102	Chip, 1k ohm, 1/16W
RQ09	24872102	Chip, 1k ohm, 1/16W
RQ10	24872102	Chip, 1k ohm, 1/16W
RQ11	24872561	Chip, 560 ohm, 1/16W
RQ12	24872561	Chip, 560 ohm, 1/16W
RQ13	24872203	Chip, 20k ohm, 1/16W
RQ14	24872273	Chip, 27k ohm, 1/16W
RQ20	24872563	Chip, 56k ohm, 1/16W
RR01	24872152	Chip, 1500 ohm, 1/16W
RR02	24872682	Chip, 6800 ohm, 1/16W
RR03	24872102	Chip, 1k ohm, 1/16W
RR04	24872101	Chip, 100 ohm, 1/16W
RR05	24872101	Chip, 100 ohm, 1/16W
RR06	24872101	Chip, 100 ohm, 1/16W
RR10	24872102	Chip, 1k ohm, 1/16W
RR15	24872102	Chip, 1k ohm, 1/16W
RR24	24366103	CF, 10k ohm
RR33	24872151	Chip, 150 ohm, 1/16W
RR34	24872151	Chip, 150 ohm, 1/16W
RR35	24872151	Chip, 150 ohm, 1/16W
RR40	24366103	CF, 10k ohm
RR41	24366103	CF, 10k ohm
RR60	24366102	CF, 1k ohm
RR61	24366102	CF, 1k ohm
RR62	24366102	CF, 1k ohm
RR63	24366102	CF, 1k ohm
RR97	24366102	CF, 1k ohm
RR99	24366101	CF, 100 ohm
RR100	24366472	CF, 4700 ohm
RR101	24366472	CF, 4700 ohm
RR102	24366472	CF, 4700 ohm
RR103	24366122	CF, 1200 ohm
RR104	24366122	CF, 1200 ohm
RR105	24366122	CF, 1200 ohm
RS01	24872681	Chip, 680 ohm, 1/16W
RS02	24872681	Chip, 680 ohm, 1/16W
RS03	24872101	Chip, 100 ohm, 1/16W
RS04	24872101	Chip, 100 ohm, 1/16W
RS05	24872472	Chip, 4700 ohm, 1/16W
RS06	24872472	Chip, 4700 ohm, 1/16W
RS07	24872472	Chip, 4700 ohm, 1/16W
RS08	24872472	Chip, 4700 ohm, 1/16W
RS09	24872472	Chip, 4700 ohm, 1/16W
RS10	24872472	Chip, 4700 ohm, 1/16W

Location No.	Part No.	Description
RS11	24872101	Chip, 100 ohm, 1/16W
RS13	24872101	Chip, 100 ohm, 1/16W
RS14	24872101	Chip, 100 ohm, 1/16W
RS15	24872104	Chip, 100k ohm, 1/16W
RS16	24872104	Chip, 100k ohm, 1/16W
RS17	24872223	Chip, 22k ohm, 1/16W
RS18	24872223	Chip, 22k ohm, 1/16W
RS19	24872102	Chip, 1k ohm, 1/16W
RS20	24872102	Chip, 1k ohm, 1/16W
RS21	24872222	Chip, 2200 ohm, 1/16W
RS22	24872222	Chip, 2200 ohm, 1/16W
RS23	24872101	Chip, 100 ohm, 1/16W
RS24	24872101	Chip, 100 ohm, 1/16W
RS27	24872104	Chip, 100k ohm, 1/16W
RS28	24872104	Chip, 100k ohm, 1/16W
RS29	24872223	Chip, 22k ohm, 1/16W
RS30	24872223	Chip, 22k ohm, 1/16W
RS31	24872103	Chip, 10k ohm, 1/16W
RS32	24872104	Chip, 100k ohm, 1/16W
RS35	24872223	Chip, 22k ohm, 1/16W
RS36	24872223	Chip, 22k ohm, 1/16W
RS37	24872104	Chip, 100k ohm, 1/16W
RS38	24872104	Chip, 100k ohm, 1/16W
RS43	24872681	Chip, 680 ohm, 1/16W
RS44	24872681	Chip, 680 ohm, 1/16W
RS45	24872681	Chip, 680 ohm, 1/16W
RS46	24872681	Chip, 680 ohm, 1/16W
RS56	24872102	Chip, 1k ohm, 1/16W
RS57	24872223	Chip, 22k ohm, 1/16W
RS58	24872104	Chip, 100k ohm, 1/16W
RS59	24872681	Chip, 680 ohm, 1/16W
RV01	24872101	Chip, 100 ohm, 1/16W
RV02	24872101	Chip, 100 ohm, 1/16W
RV03	24872101	Chip, 100 ohm, 1/16W
RV04	24872101	Chip, 100 ohm, 1/16W
RV05	24872101	Chip, 100 ohm, 1/16W
RV06	24872101	Chip, 100 ohm, 1/16W
RV07	24872162	Chip, 1600 ohm, 1/16W
RV08	24872162	Chip, 1600 ohm, 1/16W
RV09	24872101	Chip, 100 ohm, 1/16W
RV10	24872101	Chip, 100 ohm, 1/16W
RV11	24872101	Chip, 100 ohm, 1/16W
RV12	24872681	Chip, 680 ohm, 1/16W
RV13	24872681	Chip, 680 ohm, 1/16W
RV16	24872271	Chip, 270 ohm, 1/16W
RV18	24872123	Chip, 12k ohm, 1/16W
RV19	24872101	Chip, 100 ohm, 1/16W
RV20	24872101	Chip, 100 ohm, 1/16W
RV21	24872221	Chip, 220 ohm, 1/16W
RV22	24872680	Chip, 68 ohm, 1/16W
RV23	24552101	OMF, 100 ohm, 1/2W
RV25	24872101	Chip, 100 ohm, 1/16W
RV26	24366181	CF, 180 ohm
RV27	24872750	Chip, 75 ohm, 1/16W
RV28	24872123	Chip, 12k ohm, 1/16W
RV29	24872162	Chip, 1600 ohm, 1/16W
RV30	24872750	Chip, 75 ohm, 1/16W
RV32	24872750	Chip, 75 ohm, 1/16W
RV33	24872123	Chip, 12k ohm, 1/16W
RV34	24872123	Chip, 12k ohm, 1/16W
RV35	24872103	Chip, 10k ohm, 1/16W
RV38	24872750	Chip, 75 ohm, 1/16W
RV40	24872102	Chip, 1k ohm, 1/16W
RV60	24872102	Chip, 1k ohm, 1/16W

Location No.	Part No.	Description
RV60	24366681	CF, 680 ohm
RV61	24552101	OMF, 100 ohm, 1/2W
RV61	24366681	CF, 680 ohm
RV62	24872101	Chip, 100 ohm, 1/16W
RV63	24552151	OMF, 150 ohm, 1/2W
RV64	24872750	Chip, 75 ohm, 1/16W
RV65	24552101	OMF, 100 ohm, 1/2W
RV66	24872101	Chip, 100 ohm, 1/16W
RV67	24552151	OMF, 150 ohm, 1/2W
RV68	24872750	Chip, 75 ohm, 1/16W
RV70	24872101	Chip, 100 ohm, 1/16W
RV71	24872472	Chip, 4700 ohm, 1/16W
RV81	24872750	Chip, 75 ohm, 1/16W
RV85	24872750	Chip, 75 ohm, 1/16W
RV86	24872750	Chip, 75 ohm, 1/16W
RV87	24872750	Chip, 75 ohm, 1/16W
RV89	24872750	Chip, 75 ohm, 1/16W
RV96	24872332	Chip, 3300 ohm, 1/16W
RV98	24872750	Chip, 75 ohm, 1/16W
RV99	24872103	Chip, 10k ohm, 1/16W
RV101	24366103	CF, 10k ohm
RV102	24366153	CF, 15k ohm
RV103	24366472	CF, 4700 ohm
RV104	24366102	CF, 1k ohm
RV270	24872271	Chip, 270 ohm, 1/16W
RV301	24872104	Chip, 100k ohm, 1/16W
RV302	24872100	Chip, 10 ohm, 1/16W
RV303	24872222	Chip, 2200 ohm, 1/16W
RV305	24872103	Chip, 10k ohm, 1/16W
RV306	24872101	Chip, 100 ohm, 1/16W
RW02	24872563	Chip, 56k ohm, 1/16W
RW020	24366222	CF, 2200 ohm
RW03	24872393	Chip, 39k ohm, 1/16W
RW04	24872560	Chip, 56 ohm, 1/16W
RW05	24872102	Chip, 1k ohm, 1/16W
RW06	24872151	Chip, 150 ohm, 1/16W
RW07	24872222	Chip, 2200 ohm, 1/16W
RW08	24872821	Chip, 820 ohm, 1/16W
RW09	24872560	Chip, 56 ohm, 1/16W
RW090	24366563	CF, 56k ohm
RW10	24872152	Chip, 1500 ohm, 1/16W
RW11	24872561	Chip, 560 ohm, 1/16W
RW12	24872272	Chip, 2700 ohm, 1/16W
RW13	24872821	Chip, 820 ohm, 1/16W
RW14	24872560	Chip, 56 ohm, 1/16W
RW15	24872152	Chip, 1500 ohm, 1/16W
RW16	24872561	Chip, 560 ohm, 1/16W
RW17	24872272	Chip, 2700 ohm, 1/16W
RW18	24872821	Chip, 820 ohm, 1/16W
RW19	24872103	Chip, 10k ohm, 1/16W
RW20	24872101	Chip, 100 ohm, 1/16W
RW21	24872102	Chip, 1k ohm, 1/16W
RW22	24872101	Chip, 100 ohm, 1/16W
RW23	24872821	Chip, 820 ohm, 1/16W
RW24	24872821	Chip, 820 ohm, 1/16W
RW25	24872101	Chip, 100 ohm, 1/16W
RW26	24872101	Chip, 100 ohm, 1/16W
RW27	24872102	Chip, 1k ohm, 1/16W
RW28	24872271	Chip, 270 ohm, 1/16W
RW29	24872392	Chip, 3900 ohm, 1/16W
RW30	24872152	Chip, 1500 ohm, 1/16W
RW31	24872101	Chip, 100 ohm, 1/16W
RW32	24872101	Chip, 100 ohm, 1/16W
RW33	24872102	Chip, 1k ohm, 1/16W

Location No.	Part No.	Description
RW34	24872271	Chip, 270 ohm, 1/16W
RW35	24872392	Chip, 3900 ohm, 1/16W
RW36	24872152	Chip, 1500 ohm, 1/16W
RW37	24872101	Chip, 100 ohm, 1/16W
RW38	24872471	Chip, 470 ohm, 1/16W
RW39	24872102	Chip, 1k ohm, 1/16W
RW41	24872101	Chip, 100 ohm, 1/16W
RW42	24872101	Chip, 100 ohm, 1/16W
RW43	24872182	Chip, 1800 ohm, 1/16W
RW44	24872181	Chip, 180 ohm, 1/16W
RW45	24872101	Chip, 100 ohm, 1/16W
RW46	24872101	Chip, 100 ohm, 1/16W
RW47	24872222	Chip, 2200 ohm, 1/16W
RW60	24000824	Chip, Jumper, 2125 type
RW61	24872472	Chip, 4700 ohm, 1/16W
RW62	24872622	Chip, 6200 ohm, 1/16W
RW63	24872101	Chip, 100 ohm, 1/16W
RW64	24872101	Chip, 100 ohm, 1/16W
RW65	24872101	Chip, 100 ohm, 1/16W
RW66	24872681	Chip, 680 ohm, 1/16W
RW67	24872222	Chip, 2200 ohm, 1/16W
RW68	24872222	Chip, 2200 ohm, 1/16W
RW69	24872222	Chip, 2200 ohm, 1/16W
RW70	24872333	Chip, 33k ohm, 1/16W
RW71	24872182	Chip, 1800 ohm, 1/16W
RW72	24872182	Chip, 1800 ohm, 1/16W
RW73	24872101	Chip, 100 ohm, 1/16W
RW76	24872182	Chip, 1800 ohm, 1/16W
RW80	24872331	Chip, 330 ohm, 1/16W
RW81	24872331	Chip, 330 ohm, 1/16W
RW82	24872102	Chip, 1k ohm, 1/16W
RW83	24872103	Chip, 10k ohm, 1/16W
RW84	24872332	Chip, 3300 ohm, 1/16W
RW85	24872102	Chip, 1k ohm, 1/16W
RW86	24872101	Chip, 100 ohm, 1/16W
RW87	24872101	Chip, 100 ohm, 1/16W
RW88	24872102	Chip, 1k ohm, 1/16W
RW89	24872102	Chip, 1k ohm, 1/16W
RW90	24000824	Chip, Jumper, 2125 type
RW91	24872103	Chip, 10k ohm, 1/16W
RW92	24872103	Chip, 10k ohm, 1/16W
RW93	24872101	Chip, 100 ohm, 1/16W
RW94	24872101	Chip, 100 ohm, 1/16W
RW95	24872101	Chip, 100 ohm, 1/16W
RW96	24872472	Chip, 4700 ohm, 1/16W
RW100	24872563	Chip, 56k ohm, 1/16W
RW101	24872393	Chip, 39k ohm, 1/16W
RW102	24872563	Chip, 56k ohm, 1/16W
RW103	24872393	Chip, 39k ohm, 1/16W
RW104	24872682	Chip, 6800 ohm, 1/16W
RW105	24872392	Chip, 3900 ohm, 1/16W
RW107	24872103	Chip, 10k ohm, 1/16W
RW108	24872333	Chip, 33k ohm, 1/16W
RW109	24872103	Chip, 10k ohm, 1/16W
RW110	24872333	Chip, 33k ohm, 1/16W
RW114	24872563	Chip, 56k ohm, 1/16W
RW116	24872682	Chip, 6800 ohm, 1/16W
RW130	24366393	CF, 39k ohm
RW140	24552121	OMF, 120 ohm, 1/2W
RW150	24366223	CF, 22k ohm
RW160	24366273	CF, 27k ohm
RW170	24366333	CF, 33k ohm
RW180	24366101	CF, 100 ohm
RW200	24366392	CF, 3900 ohm

Location No.	Part No.	Description
RW220	24366102	CF, 1k ohm
RW230	24366471	CF, 470 ohm
RW240	24366470	CF, 47 ohm
RW250	24366182	CF, 1800 ohm
RW300	24552100	OMF, 10 ohm, 1/2W
RW310	24552331	OMF, 330 ohm, 1/2W
RW320	24366820	CF, 82 ohm
RW330	24366683	CF, 68k ohm
RW340	24366820	CF, 82 ohm
RW350	24366683	CF, 68k ohm
RW360	24366330	CF, 33 ohm
RW370	24366152	CF, 1500 ohm
RW380	24366123	CF, 12k ohm
RW390	24366152	CF, 1500 ohm
RW400	24366330	CF, 33 ohm
RW410	24366279	CF, 2.7 ohm
RW420	24366279	CF, 2.7 ohm
RW430	24554221	OMF, 220 ohm, 2W
RW440	24366122	CF, 1200 ohm
RW450	24366122	CF, 1200 ohm
RZ01	24872471	Chip, 470 ohm, 1/16W
RZ02	24872152	Chip, 1500 ohm, 1/16W
RZ04	24872332	Chip, 3300 ohm, 1/16W
RZ05	24872332	Chip, 3300 ohm, 1/16W
RZ06	24872821	Chip, 820 ohm, 1/16W
RZ07	24872272	Chip, 2700 ohm, 1/16W
RZ08	24872302	Chip, 3k ohm, 1/16W
RZ12	24872471	Chip, 470 ohm, 1/16W
RZ18	24872821	Chip, 820 ohm, 1/16W
RZ19	24872471	Chip, 470 ohm, 1/16W
RZ20	24872122	Chip, 1200 ohm, 1/16W
RZ21	24872680	Chip, 68 ohm, 1/16W
RZ22	24872101	Chip, 100 ohm, 1/16W
RZ23	24872821	Chip, 820 ohm, 1/16W
RZ24	24872821	Chip, 820 ohm, 1/16W
RZ25	24872101	Chip, 100 ohm, 1/16W
RZ26	24872101	Chip, 100 ohm, 1/16W
RZ28	24872821	Chip, 820 ohm, 1/16W
RZ29	24872331	Chip, 330 ohm, 1/16W
RZ30	24872331	Chip, 330 ohm, 1/16W
RZ31	24872102	Chip, 1k ohm, 1/16W
COILS & TRANSFORMERS		
L101	23221803	Coil, Choke, TLN3040D
L203	23238708	Coil, Peaking, TRF4330AJ
L233	23289470	Coil, Peaking, TRF4470AF
L301	23103880	Coil (Ferrite Bead), TEM2011Y
L303	23237975	Coil, Peaking, TRF4101AC
L400	23289100	Coil, Peaking, TRF4100AF
L441	23233977	Coil, Linearity, TLN2203AG
L442	23221974	Coil, Choke, TLN3007
L461	23248115	Coil, Choke, TLN3367D
⚠L462	23231135	Deflection Yoke, TDY707AS(R)
⚠L463	23231135	Deflection Yoke, TDY707AS(R)
⚠L464	23231135	Deflection Yoke, TDY707AS(R)
L465	23103880	Coil (Ferrite Bead), TEM2011Y
L472	23102441	Magnet, MAG1094
L473	23102441	Magnet, MAG1094
L474	23102441	Magnet, MAG1094
L501	23289479	Coil, Peaking, TRF44R7AF
L503	23289470	Coil, Peaking, TRF4470AF
L504	23238718	Coil, Peaking, TRF4479AJ
L602	23238714	Coil, Peaking, TRF4100AJ
L603	23238714	Coil, Peaking, TRF4100AJ

Location No.	Part No.	Description
L671	23103859	Coil (Ferrite Bead), TEM2011
L672	23103859	Coil (Ferrite Bead), TEM2011
L673	23103859	Coil (Ferrite Bead), TEM2011
L674	23103859	Coil (Ferrite Bead), TEM2011
L676	23103832	Chip Bead, TEM2125M
L677	23103832	Chip Bead, TEM2125M
L682	23103832	Chip Bead, TEM2125M
L683	23103832	Chip Bead, TEM2125M
L684	23103775	Coil (Ferrite Bead), TEM2014
L685	23103775	Coil (Ferrite Bead), TEM2014
L686	23103775	Coil (Ferrite Bead), TEM2014
L687	23103775	Coil (Ferrite Bead), TEM2014
L688	23103775	Coil (Ferrite Bead), TEM2014
L689	23103775	Coil (Ferrite Bead), TEM2014
L701	23238562	Coil, Peaking, TRF4109AJ
L702	23238562	Coil, Peaking, TRF4109AJ
L707	23238562	Coil, Peaking, TRF4109AJ
L708	23238562	Coil, Peaking, TRF4109AJ
L709	23238562	Coil, Peaking, TRF4109AJ
L710	23238562	Coil, Peaking, TRF4109AJ
L711	23238562	Coil, Peaking, TRF4109AJ
L712	23238562	Coil, Peaking, TRF4109AJ
L713	23238562	Coil, Peaking, TRF4109AJ
L714	23238562	Coil, Peaking, TRF4109AJ
L719	23232878	Coil, Variable, TRF3503K
L720	23289102	Coil, Peaking, TRF4102AJ
L721	23237805	Coil, Peaking, TRF4222
L722	23289102	Coil, Peaking, TRF4102AJ
L723	23237805	Coil, Peaking, TRF4222
L724	23289102	Coil, Peaking, TRF4102AJ
L725	23237805	Coil, Peaking, TRF4222
L726	23289102	Coil, Peaking, TRF4102AJ
L727	23237805	Coil, Peaking, TRF4222
L728	23289102	Coil, Peaking, TRF4102AJ
L729	23237805	Coil, Peaking, TRF4222
L730	23289102	Coil, Peaking, TRF4102AJ
L731	23237805	Coil, Peaking, TRF4222
L737	23289560	Coil, Peaking, TRF4560
L738	23289560	Coil, Peaking, TRF4560
L739	23289560	Coil, Peaking, TRF4560
L740	23289560	Coil, Peaking, TRF4560
L742	23103866	Chip (Ferrite Bead), TEM2105T
L743	23103866	Chip (Ferrite Bead), TEM2105T
L744	23103866	Chip (Ferrite Bead), TEM2105T
L745	23103866	Chip (Ferrite Bead), TEM2105T
L746	23103866	Chip (Ferrite Bead), TEM2105T
L747	23103866	Chip (Ferrite Bead), TEM2105T
L748	23103866	Chip (Ferrite Bead), TEM2105T
L749	23103866	Chip (Ferrite Bead), TEM2105T
L801	23261959	Coil, Choke, TRF9240
L802	23261959	Coil, Choke, TRF9240
L804	23280016	Coil, Peaking, TRF4100AZ
L805	70211045	Coil, Choke, 0.02mH
L806	23248073	Coil, Choke, TLN3299D
L807	23248073	Coil, Choke, TLN3299D
L811	23103859	Coil (Ferrite Bead), TEM2011
L813	23103859	Coil (Ferrite Bead), TEM2011
L814	23221747	Coil, Choke, TRF9253D
L820	23289470	Coil, Peaking, TRF4470AF
L821	23280016	Coil, Peaking, TRF4100AZ
L822	23280016	Coil, Peaking, TRF4100AZ
L823	23280016	Coil, Peaking, TRF4100AZ
L830	23289470	Coil, Peaking, TRF4470AF
L831	23289470	Coil, Peaking, TRF4470AF

Location No.	Part No.	Description
L850	23221747	Coil, Choke, TRF9253D
L851	23103859	Coil (Ferrite Bead), TEM2011
L852	23221747	Coil, Choke, TRF9253D
L853	23103859	Coil (Ferrite Bead), TEM2011
L854	23103859	Coil (Ferrite Bead), TEM2011
L855	23103859	Coil (Ferrite Bead), TEM2011
L856	23103859	Coil (Ferrite Bead), TEM2011
L857	23103859	Coil (Ferrite Bead), TEM2011
L858	23103859	Coil (Ferrite Bead), TEM2011
L859	23103775	Coil (Ferrite Bead), TEM2014
L860	23103775	Coil (Ferrite Bead), TEM2014
L883	23103859	Coil (Ferrite Bead), TEM2011
L884	23248073	Coil, Choke, TLN3299D
L885	23248073	Coil, Choke, TLN3299D
L886	23103859	Coil (Ferrite Bead), TEM2011
L888	23103859	Coil (Ferrite Bead), TEM2011
L891	23103859	Coil (Ferrite Bead), TEM2011
L896	23103859	Coil (Ferrite Bead), TEM2011
L911	23237987	Coil, Peaking, TRF4100AC
L961	23289100	Coil, Peaking, TRF4100AF
L962	23237991	Coil, Peaking, TRF4479AC
L963	23237975	Coil, Peaking, TRF4101AC
L6101	23103859	Coil (Ferrite Bead), TEM2011
L7701	23103859	Coil (Ferrite Bead), TEM2011
L7702	23103859	Coil (Ferrite Bead), TEM2011
L7703	23103859	Coil (Ferrite Bead), TEM2011
L7704	23103859	Coil (Ferrite Bead), TEM2011
L7705	23103859	Coil (Ferrite Bead), TEM2011
L7706	23103859	Coil (Ferrite Bead), TEM2011
L8101	23103859	Coil (Ferrite Bead), TEM2011
L8102	70211045	Coil, Choke, 0.02mH
L8103	70211045	Coil, Choke, 0.02mH
LA01	23289100	Coil, Peaking, TRF4100AF
LA02	23289100	Coil, Peaking, TRF4100AF
LC01	23103832	Chip Bead, TEM2125M
LC02	23103832	Chip Bead, TEM2125M
LC03	23103845	Filter, TEM2030AY
LC05	23289109	Coil, Peaking, TRF41R0AF
LC06	23103859	Coil (Ferrite Bead), TEM2011
LC07	23289109	Coil, Peaking, TRF41R0AF
LC08	23289109	Coil, Peaking, TRF41R0AF
LD81	23289479	Coil, Peaking, TRF44R7AF
LD82	23103859	Coil (Ferrite Bead), TEM2011
LD83	23103859	Coil (Ferrite Bead), TEM2011
LD89	23289470	Coil, Peaking, TRF4470AF
LD101	23238714	Coil, Peaking, TRF4100AJ
LF01	23238506	Coil, Peaking, TRF4229AJ
LF02	23238506	Coil, Peaking, TRF4229AJ
LF03	23238506	Coil, Peaking, TRF4229AJ
LF04	23238506	Coil, Peaking, TRF4229AJ
LF05	23238506	Coil, Peaking, TRF4229AJ
LF06	23238562	Coil, Peaking, TRF4109AJ
LF07	23238562	Coil, Peaking, TRF4109AJ
LF08	23238714	Coil, Peaking, TRF4100AJ
LF09	23238714	Coil, Peaking, TRF4100AJ
LF10	23238562	Coil, Peaking, TRF4109AJ
LF11	23289109	Coil, Peaking, TRF41R0AF
LF13	23289100	Coil, Peaking, TRF4100AF
LF17	23289100	Coil, Peaking, TRF4100AF
LQ01	23238709	Coil, Peaking, TRF4270AJ
LQ02	23238718	Coil, Peaking, TRF4479AJ
LQ03	23238718	Coil, Peaking, TRF4479AJ
LQ04	23238718	Coil, Peaking, TRF4479AJ
LS01	23103832	Chip Bead, TEM2125M

Location No.	Part No.	Description
LS02	23103832	Chip Bead, TEM2125M
LV06	23103832	Chip Bead, TEM2125M
LV07	23103832	Chip Bead, TEM2125M
LV20	23238710	Coil, Peaking, TRF4220AJ
LV30	23238708	Coil, Peaking, TRF4330AJ
LV42	23289100	Coil, Peaking, TRF4100AF
LV43	23289100	Coil, Peaking, TRF4100AF
LV47	23289109	Coil, Peaking, TRF41R0AF
LW01	23103806	Chip Bead, TEM2114T
LW02	23103806	Chip Bead, TEM2114T
LW03	23103806	Chip Bead, TEM2114T
LW04	24000824	Chip, Jumper, 2125 type
LW05	23103806	Chip Bead, TEM2114T
LW06	23103806	Chip Bead, TEM2114T
LW07	23103822	Chip (Ferrite Bead), TEM2117T
LW08	23289100	Coil, Peaking, TRF4100AF
LW09	23103806	Chip Bead, TEM2114T
LW10	23103806	Chip Bead, TEM2114T
LW12	23238718	Coil, Peaking, TRF4479AJ
LW13	23238702	Coil, Peaking, TRF4101AJ
LW14	23238702	Coil, Peaking, TRF4101AJ
LW15	23238718	Coil, Peaking, TRF4479AJ
LW16	23238718	Coil, Peaking, TRF4479AJ
LW17	23238718	Coil, Peaking, TRF4479AJ
LW41	23103806	Chip Bead, TEM2114T
LW42	23103806	Chip Bead, TEM2114T
LW80	23238562	Coil, Peaking, TRF4109AJ
LW81	23238562	Coil, Peaking, TRF4109AJ
LW020	23261974	Coil, Choke, HC5-035
LW040	23103859	Coil (Ferrite Bead), TEM2011
LW050	23103859	Coil (Ferrite Bead), TEM2011
LZ01	23238712	Coil, Peaking, TRF4150AJ
LZ02	23238716	Coil, Peaking, TRF4689AJ
LZ03	23238716	Coil, Peaking, TRF4689AJ
LZ04	23238709	Coil, Peaking, TRF4270AJ
LZ05	23238716	Coil, Peaking, TRF4689AJ
LZ06	23238709	Coil, Peaking, TRF4270AJ
LZ07	23238709	Coil, Peaking, TRF4270AJ
LZ08	23238707	Coil, Peaking, TRF4390AJ
LZ09	70131060	Filter, ZBF253D-00
LZ10	70131060	Filter, ZBF253D-00
T400	23224346	Transformer, Focus, TLN2168
T401	23224367	Transformer, Horiz. Drive, TLN1098AH
T461A	23192917	Cable, Anode
T461B	23960136	Adhesive, TSE3843-W
⚠T461Z	23236508	Transformer, Flyback, TFB3078ZD
T801	23211665	Line Filter, TRF3196
T802	23211665	Line Filter, TRF3196
T803	23211665	Line Filter, TRF3196
T804	23211665	Line Filter, TRF3196
T805	23211670	Line filter, TRF3164G
⚠T806	23217358	Transformer, TPW2008AZ
⚠T807	23217363	Transformer, TPW2010AZ
⚠T862	23217325	Transformer, Converter, TPW3345AM
⚠T863	23217353	Transformer, Converter, TPW3369AM

SEMICONDUCTORS

Q200	A6330069	Transistor, 2SC2482 FA-1
Q201	23314204	Transistor, 2SC2412K,Q
Q203	A6734590	Transistor, 2SC752(G)TM-Y

Location No.	Part No.	Description
Q204	23314204	Transistor, 2SC2412K,Q
Q205	23314202	Transistor, 2SA1037K-Q
Q207	A6359870	Transistor, 2SC3326-B
Q208	23314204	Transistor, 2SC2412K,Q
Q270	A6004040	Transistor, RN1404
Q271	A6004040	Transistor, RN1404
Q272	A6014030	Transistor, RN2403
Q273	23314204	Transistor, 2SC2412K,Q
Q274	23314204	Transistor, 2SC2412K,Q
Q275	A6004040	Transistor, RN1404
Q301	23319787	IC, LA7833S
Q301B	70391355	Screw, BITTB3X8SZN
Q302	B0385853	IC, TA1241AN
Q350	A6317440	Transistor, 2SC1815-Y
Q351	A6534053	Transistor, 2SA1015-Y(TE
Q352	A6002050	Transistor, RN1205
Q353	A6002030	Transistor, RN1203
Q354	A6534145	Transistor, 2SA1020-Y(C)
Q360	A6534145	Transistor, 2SA1020-Y(C)
Q361	A6002030	Transistor, RN1203
Q370	A6534053	Transistor, 2SA1015-Y(TE
Q394	A6317440	Transistor, 2SC1815-Y
Q395	A6317440	Transistor, 2SC1815-Y
Q396	A6534053	Transistor, 2SA1015-Y(TE
Q402	A6330069	Transistor, 2SC2482 FA-1
Q404	A6872801	Transistor, 2SD2253(FA)
Q404B	72471082	Screw, BRDT2W3X10 SZN
Q420	23314707	Transistor, 2SD1944,H
Q420B	70391356	Screw, BITTB3X10 SZN
Q421	A6317440	Transistor, 2SC1815-Y
Q430	23314707	Transistor, 2SD1944,H
Q460	23314850	Transistor, 2SA1788-E
Q460B	72471082	Screw, BRDT2W3X10 SZN
Q461	A6317440	Transistor, 2SC1815-Y
Q462	A6317440	Transistor, 2SC1815-Y
Q463	A6317440	Transistor, 2SC1815-Y
Q464	A6534053	Transistor, 2SA1015-Y(TE
Q470	A6317440	Transistor, 2SC1815-Y
Q480	23314246	Transistor, 2SC2023 LF-4
Q483	B0350510	IC, TA75458S
Q487	A6534053	Transistor, 2SA1015-Y(TE
Q501	B0385677	IC, TA1222BN
Q502	23314204	Transistor, 2SC2412K,Q
Q503	23314204	Transistor, 2SC2412K,Q
Q510	23314204	Transistor, 2SC2412K,Q
Q601	23318413	IC, LA4282
Q6101	A6317440	Transistor, 2SC1815-Y
Q611	A6534053	Transistor, 2SA1015-Y(TE
Q612	A6534053	Transistor, 2SA1015-Y(TE
Q621	B0376795	IC, TA8200AH
Q621B	70391355	Screw, BITTB3X8SZN
Q622	A6317440	Transistor, 2SC1815-Y
Q631	A6317440	Transistor, 2SC1815-Y
Q641	B0376795	IC, TA8200AH
Q641B	70391355	Screw, BITTB3X8SZN
Q671	B0350000	IC, TA75458P
Q681	A6342206	Transistor, 2SC2878-A(TE
Q682	A6342206	Transistor, 2SC2878-A(TE
Q683	A6342206	Transistor, 2SC2878-A(TE
Q684	A6342206	Transistor, 2SC2878-A(TE
Q685	A6342206	Transistor, 2SC2878-A(TE
Q690	23319808	IC, M5218AP
Q701	B0588213	IC, T7K64(Z)
Q702	A6317440	Transistor, 2SC1815-Y

Location No.	Part No.	Description
Q703	23905014	IC, LC78816M
Q704	23905014	IC, LC78816M
Q705	23905014	IC, LC78816M
Q707	B0379550	IC, TA8667P
Q709	A6734590	Transistor, 2SC752(G)TM-Y
Q710	23314204	Transistor, 2SC2412K,Q
Q711	23905012	IC, CAT24C16
Q712	23905012	IC, CAT24C16
Q713	23905012	IC, CAT24C16
Q714	23318977	IC, MC14052BF
Q715	23319808	IC, M5218AP
Q717	23319808	IC, M5218AP
Q719	23319808	IC, M5218AP
Q751	23905094	IC, STK392-110
Q752	23905094	IC, STK392-110
Q754	23904521	IC, AN7805
Q754B	70391355	Screw, BITTB3X8SZN
Q755	23904525	IC, AN7809
Q755B	70391355	Screw, BITTB3X8SZN
Q756	23318841	IC, AN79M09F
Q756B	70391355	Screw, BITTB3X8SZN
Q757	A6317440	Transistor, 2SC1815-Y
Q758	A6317440	Transistor, 2SC1815-Y
Q759	A6534053	Transistor, 2SA1015-Y(TE
Q761	A6534053	Transistor, 2SA1015-Y(TE
Q762	A6317440	Transistor, 2SC1815-Y
Q764	B0487045	IC, TC74HC4049AP
Q875	70129444	IC, PST994D
QA04	70119743	IC, PST523D
QD04	A6030620	IC, TC7S04F
QD05	A6030620	IC, TC7S04F
QD10	70119743	IC, PST523D
QW03	A6030640	IC, TC7S32F
QW04	A6030620	IC, TC7S04F
QW05	A6030640	IC, TC7S32F
QW08	B0485997	IC, TC74HC74AF
Q765	A6317440	Transistor, 2SC1815-Y
Q766	A6317440	Transistor, 2SC1815-Y
Q767	B0470662	IC, TC4066BP
Q768	A6534053	Transistor, 2SA1015-Y(TE
Q769	A6317440	Transistor, 2SC1815-Y
Q770	A6534053	Transistor, 2SA1015-Y(TE
Q771	A6533730	Transistor, 2SA1012-Y
Q771B	23035308	Screw, BTB3X8SZN
Q780	A6534053	Transistor, 2SA1015-Y(TE
Q781	A6317440	Transistor, 2SC1815-Y
Q782	A6317440	Transistor, 2SC1815-Y
Q801	23905084	IC, STR-S6709
Q801B	70391356	Screw, BITTB3X10 SZN
Q802	23314707	Transistor, 2SD1944,H
Q803	23904247	IC, STR-S6708
Q803B	23037312	Screw, BTBW3X12 SZN
Q804	23314707	Transistor, 2SD1944,H
Q823	23905977	IC, PQ09RD11
Q823B	70391355	Screw, BITTB3X8SZN
⚠ Q826	A8645167	Photo Coupler, TLP721F(D4-G
⚠ Q828	A8645167	Photo Coupler, TLP721F(D4-G
Q829	A6534053	Transistor, 2SA1015-Y(TE
Q830	23905976	IC, PQ05RD11
Q830B	70391355	Screw, BITTB3X8SZN
Q831	23905976	IC, PQ05RD11
Q831B	70391356	Screw, BITTB3X10 SZN
Q832	23905976	IC, PQ05RD11
Q832B	70391356	Screw, BITTB3X10 SZN

Location No.	Part No.	Description
Q833	23905976	IC, PQ05RD11
Q833B	70391356	Screw, BITTB3X10 SZN
Q834	23905976	IC, PQ05RD11
Q834B	70391356	Screw, BITTB3X10 SZN
Q845	A6002050	Transistor, RN1205
Q846	A6317440	Transistor, 2SC1815-Y
Q850	A6534053	Transistor, 2SA1015-Y(TE
Q851	23319306	IC, SE012N
Q852	23318299	IC, L78MR05
Q875	70129444	IC, PST994D
Q8501	A6317440	Transistor, 2SC1815-Y
Q852C	23035308	Screw, BTB3X8SZN
Q855	A6317440	Transistor, 2SC1815-Y
Q857	A6317440	Transistor, 2SC1815-Y
Q858	A6002050	Transistor, RN1205
Q859	A6317440	Transistor, 2SC1815-Y
Q860	A6000050	Transistor, RN1005
Q901	A678971D	Transistor, 2SC1569 FA-5
Q902	A6317440	Transistor, 2SC1815-Y
Q911	A678971D	Transistor, 2SC1569 FA-5
Q913	A6317440	Transistor, 2SC1815-Y
Q914	A6321265	Transistor, 2SC2120-Y(TE)
Q915	A6317440	Transistor, 2SC1815-Y
Q921	A678971D	Transistor, 2SC1569 FA-5
Q922	A6317440	Transistor, 2SC1815-Y
Q9601	A6534053	Transistor, 2SA1015-Y(TE
Q9602	A6534053	Transistor, 2SA1015-Y(TE
Q9605	A6317440	Transistor, 2SC1815-Y
Q9606	A6534053	Transistor, 2SA1015-Y(TE
Q961	A6317440	Transistor, 2SC1815-Y
Q962	A6509154	Transistor, 2SA562TM-Y(T)
Q963	A6317440	Transistor, 2SC1815-Y
Q964	A6534053	Transistor, 2SA1015-Y(TE
Q965	A6317440	Transistor, 2SC1815-Y
Q966	A6534053	Transistor, 2SA1015-Y(TE
QA01	23906565	IC, TMP87PS38N
QA02	23905320	IC, NM24C16EN
QA04	70119743	IC, PST523D
QB01	A6317440	Transistor, 2SC1815-Y
QB02	A6534053	Transistor, 2SA1015-Y(TE
QB03	A6002050	Transistor, RN1205
QB81	A6342206	Transistor, 2SC2878-A(TE
QB82	A6342206	Transistor, 2SC2878-A(TE
QB83	A6534053	Transistor, 2SA1015-Y(TE
QB92	A6317440	Transistor, 2SC1815-Y
QB93	A6534053	Transistor, 2SA1015-Y(TE
QB94	A6534053	Transistor, 2SA1015-Y(TE
QB95	A6534053	Transistor, 2SA1015-Y(TE
QB96	A6534053	Transistor, 2SA1015-Y(TE
QD01	23906068	IC, ZR38600PQC
QD02	23906069	IC, AK4309AVM-E2
QD04	A6030620	IC, TC7S04F
QD05	A6030620	IC, TC7S04F
QD06	23906069	IC, AK4309AVM-E2
QD07	23906069	IC, AK4309AVM-E2
QD10	70119743	IC, PST523D
QD30	B0385647	IC, TA1217AN
QD80	23314141	Transistor, 2SC3852
QD89	A6335470	Transistor, 2SC2712-Y
QD103	23314314	Transistor, XN4501
QD201	23905560	IC, M62420SP
QF01	23906346	IC, SDA5273-2S
QF02	23314204	Transistor, 2SC2412K,Q
QF03	23314204	Transistor, 2SC2412K,Q

Location No.	Part No.	Description
QF04	A6734590	Transistor, 2SC752(G)TM-Y
QF06	23314204	Transistor, 2SC2412K,Q
QF10	23905862	IC, UPD424400LA
QF11	23906367	IC, PST9146NL
QQ01	B0385755	IC, TA1229N
QQ02	B0383881	IC, TA8772AN
QQ03	23314204	Transistor, 2SC2412K,Q
QQ04	23314204	Transistor, 2SC2412K,Q
QR01	B0386235	IC, TA1287P
QR02	23314204	Transistor, 2SC2412K,Q
QR10	A6734590	Transistor, 2SC752(G)TM-Y
QR21	A6004040	Transistor, RN1404
QR24	A6010040	Transister, RN2004
QR34	A6317440	Transistor, 2SC1815-Y
QR35	A6317440	Transistor, 2SC1815-Y
QR36	A6317440	Transistor, 2SC1815-Y
QR37	A6317440	Transistor, 2SC1815-Y
QS01	A6359870	Transistor, 2SC3326-B
QS02	A6359870	Transistor, 2SC3326-B
QS03	23314204	Transistor, 2SC2412K,Q
QS04	23314204	Transistor, 2SC2412K,Q
QS05	A6359870	Transistor, 2SC3326-B
QS06	A6359870	Transistor, 2SC3326-B
QS07	A6014040	Transistor, RN2404
QS08	A6359870	Transistor, 2SC3326-B
QS09	A6359870	Transistor, 2SC3326-B
QS11	A6359870	Transistor, 2SC3326-B
QV01	B0385650	IC, TA1218N
QV02	23314204	Transistor, 2SC2412K,Q
QV06	23314202	Transistor, 2SA1037K-Q
QV09	A6317440	Transistor, 2SC1815-Y
QV10	23314204	Transistor, 2SC2412K,Q
QV11	23314204	Transistor, 2SC2412K,Q
QV12	A6317440	Transistor, 2SC1815-Y
QV14	A6317440	Transistor, 2SC1815-Y
QV20	A6534053	Transistor, 2SA1015-Y(TE
QV30	A6359870	Transistor, 2SC3326-B
QV31	23314204	Transistor, 2SC2412K,Q
QW01	B0410841	IC, TC90A18AF(BH
QW02	23905013	IC, TLC2932IPW
QW03	A6030640	IC, TC7S32F
QW04	A6030620	IC, TC7S04F
QW05	A6030640	IC, TC7S32F
QW06	A6030107	IC, TC7S14F
QW060	A6317440	Transistor, 2SC1815-Y
QW07	A6030685	IC, TC7S86F
QW070	A6734590	Transistor, 2SC752(G)TM-Y
QW08	B0485997	IC, TC74HC74AF
QW090	A6317440	Transistor, 2SC1815-Y
QW10	23314204	Transistor, 2SC2412K,Q
QW11	23314204	Transistor, 2SC2412K,Q
QW12	23314204	Transistor, 2SC2412K,Q
QW13	23314204	Transistor, 2SC2412K,Q
QW14	23314204	Transistor, 2SC2412K,Q
QW15	23314204	Transistor, 2SC2412K,Q
QW16	23314204	Transistor, 2SC2412K,Q
QW17	23314202	Transistor, 2SA1037K-Q
QW18	23314204	Transistor, 2SC2412K,Q
QW20	23314204	Transistor, 2SC2412K,Q
QW21	23314202	Transistor, 2SA1037K-Q
QW22	23314204	Transistor, 2SC2412K,Q
QW23	23314202	Transistor, 2SA1037K-Q
QW24	23314204	Transistor, 2SC2412K,Q
QW25	23314202	Transistor, 2SA1037K-Q

Location No.	Part No.	Description
QW31	23906295	IC, UPC29M33HB
QW32	A6361770	Transistor, 2SC3437-Y
QW40	23314202	Transistor, 2SA1037K-Q
QW41	23314202	Transistor, 2SA1037K-Q
QW42	23314202	Transistor, 2SA1037K-Q
QW43	23314202	Transistor, 2SA1037K-Q
QW51	23314701	Transister, 2SA1186A
QW52	23314705	Transister, 2SD1763A
QW100	A6534053	Transistor, 2SA1015-Y(TE
QW190	A6317440	Transistor, 2SC1815-Y
QW200	A6317440	Transistor, 2SC1815-Y
QZ01	B0410688	IC, TC9090AN
QZ02	23314204	Transistor, 2SC2412K,Q
QZ03	23314204	Transistor, 2SC2412K,Q
QZ04	23314204	Transistor, 2SC2412K,Q
QZ06	23314204	Transistor, 2SC2412K,Q
D101	23316411	Diode, 1SS184
D201	23118859	Diode, 1SS133
D202	23115599	Diode, 1N4148
D203	23118859	Diode, 1SS133
D204	23115599	Diode, 1N4148
D222	23316687	Diode, Zener, MTZJ9.1B
D301	23118479	Diode, BYD33J
D302	23118479	Diode, BYD33J
D303	23115599	Diode, 1N4148
D308	23118822	Diode, ERB12-02
D309	23118822	Diode, ERB12-02
D310	23115599	Diode, 1N4148
D311	23115599	Diode, 1N4148
D312	23115599	Diode, 1N4148
D316	23115599	Diode, 1N4148
D332	23316794	Diode, SC570ALFE2
D342	23115599	Diode, 1N4148
D343	23115599	Diode, 1N4148
D350	23115599	Diode, 1N4148
D351	23115599	Diode, 1N4148
D352	23115599	Diode, 1N4148
D353	23316672	Diode, Zener, MTZJ5.6B
D354	23115599	Diode, 1N4148
D357	23115599	Diode, 1N4148
D360	A7978850	Diode, S5295G
D370	23316672	Diode, Zener, MTZJ5.6B
D406	A7978850	Diode, S5295G
D408	23118338	Diode, RU4AM
D427	23316680	Diode, Zener, MTZJ7.5A
D430	23316670	Diode, Zener, MTZJ5.1C
D431	23118859	Diode, 1SS133
D432	23316670	Diode, Zener, MTZJ5.1C
D438	23118479	Diode, BYD33J
D441	23316726	Diode, Zener, MTZJ15C
D442	A7568200	Diode, 1S1832
D443	23118338	Diode, RU4AM
D444	23118338	Diode, RU4AM
D448	23118056	Diode, AG01
D458	23115774	Diode, Zener, RD6.2E(4)
D459	23115599	Diode, 1N4148
D460	A7568480	Diode, TVR-1G
D461	23316582	Diode, ERC20-06
D463	23115599	Diode, 1N4148
D464	23316718	Diode, Zener, MTZJ12A
D465	23316718	Diode, Zener, MTZJ12A
D470	23115599	Diode, 1N4148
D471	A7568460	Diode, TVR-1B
D474	23316719	Diode, Zener, MTZJ12B

Location No.	Part No.	Description
D482	23118479	Diode, BYD33J
D483	23316720	Diode, Zener, MTZJ12C
D484	23115599	Diode, 1N4148
D485	23316726	Diode, Zener, MTZJ15C
D487	23118479	Diode, BYD33J
D488	23115599	Diode, 1N4148
D489	23316659	Diode, Zener, MTZJ3.6B
D498	23316751	Diode, Zener, MTZJ30C
D499	23316751	Diode, Zener, MTZJ30C
D601	23115599	Diode, 1N4148
D602	23115599	Diode, 1N4148
D603	23115599	Diode, 1N4148
D604	23115599	Diode, 1N4148
D611	23115599	Diode, 1N4148
D612	23115599	Diode, 1N4148
D613	23115599	Diode, 1N4148
D614	23115599	Diode, 1N4148
D621	23115599	Diode, 1N4148
D622	23115599	Diode, 1N4148
D623	23115599	Diode, 1N4148
D624	23115599	Diode, 1N4148
D625	23115599	Diode, 1N4148
D626	23115599	Diode, 1N4148
D631	23115599	Diode, 1N4148
D632	23115599	Diode, 1N4148
D633	23115599	Diode, 1N4148
D634	23115599	Diode, 1N4148
D635	23115599	Diode, 1N4148
D641	23115599	Diode, 1N4148
D642	23115599	Diode, 1N4148
D643	23115599	Diode, 1N4148
D644	23115599	Diode, 1N4148
D645	23115599	Diode, 1N4148
D646	23115599	Diode, 1N4148
D671	23316739	Diode, Zener, MTZJ22C
D701	23118859	Diode, 1SS133
D702	23118859	Diode, 1SS133
D703	23118859	Diode, 1SS133
D704	23118859	Diode, 1SS133
D801	23316784	Diode, RBV-1506
D801B	23035308	Screw, BTB3X8SZN
D803	23118479	Diode, BYD33J
D804	23316678	Diode, Zener, MTZJ6.8B
D805	23115599	Diode, 1N4148
D806	23118479	Diode, BYD33J
D808	23118479	Diode, BYD33J
D809	A7270200	Diode, Zener, 1Z6.2
D810	23316184	Diode, FML-G12S
D810	23115599	Diode, 1N4148
D811	23115599	Diode, 1N4148
D812	23118451	Diode, RU-4A
D815	23316725	Diode, Zener, MTZJ15B
D816	23316753	Diode, Zener, MTZJ33A
D817	23316752	Diode, Zener, MTZJ30D
D820	23316753	Diode, Zener, MTZJ33A
D8203	23115532	Diode, ERB12-01
D821	23316753	Diode, Zener, MTZJ33A
D822	23316672	Diode, Zener, MTZJ5.6B
D828	23115599	Diode, 1N4148
D850	23118173	Diode, RBV-406M-LFA
D852	23118479	Diode, BYD33J
D853	23118479	Diode, BYD33J
D854	A7270200	Diode, Zener, 1Z6.2
D855	23316725	Diode, Zener, MTZJ15B

Location No.	Part No.	Description
D856	23118479	Diode, BYD33J
D857	23115599	Diode, 1N4148
D858	23118479	Diode, BYD33J
D859	23316678	Diode, Zener, MTZJ6.8B
D860	23115599	Diode, 1N4148
D861	23316737	Diode, Zener, MTZJ22A
D862	23115599	Diode, 1N4148
D863	23118479	Diode, BYD33J
D864	23316184	Diode, FML-G12S
D864B	70391355	Screw, BITTB3X8SZN
D865	23316184	Diode, FML-G12S
D865B	70391355	Screw, BITTB3X8SZN
D867	23118479	Diode, BYD33J
D868	23316399	Diode, EL1Z
D869	23115599	Diode, 1N4148
D870	23115599	Diode, 1N4148
D871	23115599	Diode, 1N4148
D872	23316679	Diode, Zener, MTZJ6.8C
D873	23316678	Diode, Zener, MTZJ6.8B
D874	23115599	Diode, 1N4148
D875	23115599	Diode, 1N4148
D876	23115599	Diode, 1N4148
D877	23115599	Diode, 1N4148
D878	23316760	Diode, Zener, MTZJ36D
D879	23316672	Diode, Zener, MTZJ5.6B
D880	23316672	Diode, Zener, MTZJ5.6B
D882	23115599	Diode, 1N4148
D883	23316406	Diode, FML-G16S
D883B	70391355	Screw, BITTB3X8SZN
D885	23316184	Diode, FML-G12S
D891	23357013	Diode, D5S9M
D891B	70391356	Screw, BITTB3X10 SZN
D896	23118060	Diode, AL01Z
D899	24000656	Varistor, 470V
D901	23115599	Diode, 1N4148
D902	23115599	Diode, 1N4148
D903	23115599	Diode, 1N4148
D904	23115599	Diode, 1N4148
D911	23115599	Diode, 1N4148
D912	23115599	Diode, 1N4148
D913	23115599	Diode, 1N4148
D914	23115599	Diode, 1N4148
D915	23115599	Diode, 1N4148
D921	23115599	Diode, 1N4148
D922	23115599	Diode, 1N4148
D924	23115599	Diode, 1N4148
D925	23115599	Diode, 1N4148
D926	23115599	Diode, 1N4148
D927	23115599	Diode, 1N4148
D961	23115599	Diode, 1N4148
D962	23115599	Diode, 1N4148
D965	23115599	Diode, 1N4148
D966	23115599	Diode, 1N4148
D7701	23115599	Diode, 1N4148
D7702	23115532	Diode, ERB12-01
D7705	23115599	Diode, 1N4148
D7706	23115599	Diode, 1N4148
D7707	23115599	Diode, 1N4148
D7708	23115599	Diode, 1N4148
D7709	23316675	Diode, Zener, MTZJ6.2B
D7710	23316716	Diode, Zener, MTJ11B
D7711	23316716	Diode, Zener, MTJ11B
D7717	23316675	Diode, Zener, MTZJ6.2B
D7718	23316675	Diode, Zener, MTZJ6.2B

Location No.	Part No.	Description
D7719	23316675	Diode, Zener, MTZJ6.2B
D7720	23316675	Diode, Zener, MTZJ6.2B
D7721	23316675	Diode, Zener, MTZJ6.2B
D7722	23316675	Diode, Zener, MTZJ6.2B
D7726	23115532	Diode, ERB12-01
D7727	23115532	Diode, ERB12-01
D7728	23115532	Diode, ERB12-01
D7729	23115599	Diode, 1N4148
D7801	23115599	Diode, 1N4148
D7802	23115599	Diode, 1N4148
D7803	23115599	Diode, 1N4148
D8301	23115532	Diode, ERB12-01
D8302	23115532	Diode, ERB12-01
D8303	23115532	Diode, ERB12-01
D8304	23115532	Diode, ERB12-01
D8305	23115532	Diode, ERB12-01
DA41	23115599	Diode, 1N4148
DA42	23316675	Diode, Zener, MTZJ6.2B
DA43	23115599	Diode, 1N4148
DA44	23115599	Diode, 1N4148
DA45	23115599	Diode, 1N4148
DA46	23115599	Diode, 1N4148
DA69	23316675	Diode, Zener, MTZJ6.2B
DB01	23358493	Diode (LED), SPR54MVWFLMN
DD81	23316661	Diode, Zener, MTZJ3.9B
DF01	23316654	Diode, Zener, MTZJ3.0A
DF02	23115599	Diode, 1N4148
DR02	23316666	Diode, Zener, MTZJ4.7B
DR03	23316666	Diode, Zener, MTZJ4.7B
DR10	23115599	Diode, 1N4148
DR11	23115599	Diode, 1N4148
DV01	23316687	Diode, Zener, MTZJ9.1B
DV02	23316687	Diode, Zener, MTZJ9.1B
DV03	23316687	Diode, Zener, MTZJ9.1B
DV04	23316687	Diode, Zener, MTZJ9.1B
DV05	23316687	Diode, Zener, MTZJ9.1B
DV06	23316687	Diode, Zener, MTZJ9.1B
DV07	23316687	Diode, Zener, MTZJ9.1B
DV10	23118859	Diode, 1SS133
DV11	23118859	Diode, 1SS133
DV12	23316687	Diode, Zener, MTZJ9.1B
DV20	23115599	Diode, 1N4148
DW040	23115599	Diode, 1N4148
DW050	23115599	Diode, 1N4148
DW210	23115599	Diode, 1N4148
DZ01	23316690	Diode, Zener, MTZJ10B

MISCELLANEOUS

B105	23477284	Bracket, Power SW
B150B	23037312	Screw, BTBW3X12SZN
B202	23470542	Frame, Terminal
B203	23460953	Trim, Terminal
B230	23037312	Screw, BTBW3X12SZN
B233	23035412	Screw, BTB4X12SZN
B234	23035312	Screw, BTB3X12SZN
B235	23035312	Screw, BTB3X12SZN
B237	23035412	Screw, BTB4X12SZN
B330	23037312	Screw, BTBW3X12SZN
B332	23037312	Screw, BTBW3X12SZN
BB20	23903022	Socket, 8P 2.5
BB20A	23368627	Plug, 8P 2.5
BB21	23903022	Socket, 8P 2.5
BB25	23903022	Socket, 8P 2.5

Location No.	Part No.	Description
BB25A	23368627	Plug, 8P 2.5
BB26	23903022	Socket, 8P 2.5
BB40	23903022	Socket, 8P 2.5
BB40A	23368627	Plug, 8P 2.5
BB41	23903022	Socket, 8P 2.5
BB50	23903022	Socket, 8P 2.5
BB50A	23368627	Plug, 8P 2.5
BB51	23903022	Socket, 8P 2.5
BB80	23903022	Socket, 8P 2.5
BB80A	23368627	Plug, 8P 2.5
BB81	23903022	Socket, 8P 2.5
BB90	23903022	Socket, 8P 2.5
BB90A	23368627	Plug, 8P 2.5
BB91	23903022	Socket, 8P 2.5
E935	23712408	Screw, PP4X.7X8 SZN
E943	23712408	Screw, PP4X.7X8 SZN
E956	23712408	Screw, PP4X.7X8 SZN
E966	23960136	Adhesive, TSE3843-W
E976	23960136	Adhesive, TSE3843-W
E986	23960136	Adhesive, TSE3843-W
⚠F801	23144507	Fuse, 3.15A
F801A	23165433	Holder, Fuse
⚠F802	23144870	Fuse, 2.0A, 250V
F802A	23165433	Holder, Fuse
F802B	23165433	Holder, Fuse
⚠F803	23144870	Fuse, 2.0A, 250V
F803A	23165433	Holder, Fuse
F803B	23165433	Holder, Fuse
⚠F805	23144870	Fuse, 2.0A, 250V
F805A	23165433	Holder, Fuse
F805B	23165433	Holder, Fuse
⚠F807	23144872	Fuse, 250V, 1.25A
F807A	23165433	Holder, Fuse
F807B	23165433	Holder, Fuse
⚠F808	23144868	Fuse, 250V, 3.15A
F808A	23165433	Holder, Fuse
F808B	23165433	Holder, Fuse
⚠F809	23144873	Fuse, 1.0A
F809A	23165433	Holder, Fuse
F809B	23165433	Holder, Fuse
⚠F810	23144868	Fuse, 250V, 3.15A
F810A	23165433	Holder, Fuse
F810B	23165433	Holder, Fuse
⚠F811	23144869	Fuse, 250V, 2.5A
F811A	23165433	Holder, Fuse
F811B	23165433	Holder, Fuse
H002	23148311	Module, IF FR MPX,MVGS49A
JR01	24000824	Chip, Jumper, 2125 type
JR02	24000824	Chip, Jumper, 2125 type
JR03	24000824	Chip, Jumper, 2125 type
JR04	24000824	Chip, Jumper, 2125 type
JR09	24000824	Chip, Jumper, 2125 type
JR10	24000824	Chip, Jumper, 2125 type
JR11	24000824	Chip, Jumper, 2125 type
JR12	24000824	Chip, Jumper, 2125 type
K101	23430512	Delta67-A/B Assembly
K102	23430512	Delta67-A/B Assembly
K103	23430512	Delta67-A/B Assembly
K501	23837505	Lenti Sheet, SCREEN40KH-L
K502	23837506	Fresnel Sheet, SCREEN40KH-F
K601	23430267	MIRROR40
KB01	23904950	Remote Sensor, SIU-1000
P004	23161702	Terminal, 8P
P507	23902655	Socket, B-B, 15P

Location No.	Part No.	Description
P661	23365444	Jack, Earphone
P701	23368520	Plig, 20P 2MM
P702	23368520	Plig, 20P 2MM
P708	23902863	Socket, 20P 2MM
P709	23902863	Socket, 20P 2MM
P713	23164787	Plug, 7P
P714	23164787	Plug, 7P
P715	23164787	Plug, 7P
P720	23164786	Plug, 6P
⚠P801	23372014	Power Cord (40PW8DG)
⚠P801	23372012	Power Cord (40PW8DB)
P809B	23164965	Plug, 4P
PD04	23364092	Pin Jack
PD05	A5812240	HIC Optic Receiver, TORX176
PD30	23368511	Plug, 7P 2.5MM
PD30A	23902742	Socket, 7P 2.5MM
PD31	23367722	Plug, 13P, 2.5MM
PD31A	23902746	Socket, 13P, 2.5MM
PF01A	23367724	Connector, B-B, 15P
PH01	23902604	Socket 21P
PH02	23902604	Socket 21P
PH03	23904604	IC, TDA8362
PV01	23365947	Jack, 1S 5P
PV10A	23902863	Socket, 20P 2MM
PV10B	23368520	Plig, 20P 2MM
PV11A	23902863	Socket, 20P 2MM
PV11B	23368520	Plig, 20P 2MM
PW01	23368130	Plug, 10P 2.5MM
PW01A	23902213	Socket, 10P 2.5MM
PW02	23368130	Plug, 10P 2.5MM
PW02A	23902213	Socket, 10P 2.5MM
S601	23344367	Switch, Slide, 6C2P
S602	23145412	Switch, Slide, 2C2P
⚠S801	23145434	Switch, Power, 2C2P
SA01	23145227	Switch, Push, 1C1P
SA02	23145227	Switch, Push, 1C1P
SA03	23145227	Switch, Push, 1C1P
SA04	23145227	Switch, Push, 1C1P
SA06	23145227	Switch, Push, 1C1P
⚠SR80	23146564	Relay, DC12V
⚠SR81	23146564	Relay, DC12V
⚠V901A	23902019	Socket, CRT, 10P
⚠V902A	23902019	Socket, CRT, 10P
⚠V903A	23902019	Socket, CRT, 10P
W661	23351119	Speaker, SPK-1383, 100x100mm, 16 ohm
W662	23351119	Speaker, SPK-1383, 100x100mm, 16 ohm
W663	23351119	Speaker, SPK-1383, 100x100mm, 16 ohm
W664	23351119	Speaker, SPK-1383, 100x100mm, 16 ohm
X401	23153721	Ceramic Resonator, 503kHz, TCR1023
X501	23153961	Crystal, 3.58MHz
X503	23153979	Crystal, 4.43MHz
XA01	23153325	Ceramic Resonator, 8.00M, TCR1056
XA101	23153325	Ceramic Resonator, 8.00M, TCR1056
XF01	23153421	Crystal, 20.48MHz
XQ01	23153969	Crystal, 4MHz
Z201	23107519	Ceramic Video Trap, 4.43MHz, TCF1066

Location No.	Part No.	Description
⚠Z410	23110842	Focus Pack, TPA6031
Z410A	23505177	Cable, Focus
⚠Z450	24082877	CR Block, TPA5007
Z450A	23504953	Cable, Anode
Z702	23103800	Filter, TEM2026D
Z703	23103800	Filter, TEM2026D
Z704	23103800	Filter, TEM2026D
Z705	23103800	Filter, TEM2026D
Z706	23103800	Filter, TEM2026D
Z707	23103800	Filter, TEM2026D
Z711	23103800	Filter, TEM2026D
Z712	23103800	Filter, TEM2026D
Z801	23904998	IC, HIC1016
⚠Z868	23144539	Protector, 125V, 2A
⚠Z890	23144539	Protector, 125V, 2A
ZC01	23107626	Filter, TEM1022
ZD101	23153325	Ceramic Resonator, 8.00M, TCR1056
ZT01	23153736	Cermic Resonator, TCR1025

PC BOARD ASSEMBLIES

✻U101A	23781774	Dolby Board, PB7944-1
✻U101B	23781775	Digital-IN Board, PB7944-2
✻U102	23781595	AV Board, PB7914
✻U103	23781617	D-Conv Board, PB7929
✻U104A	23781616	Text Board, PB7928X
✻U105	23781600	ED-WAC Board, PB7919
✻U901A	23781599	CRT-D (R) Board, PB7918X-1
✻U901B	23781644	CRT-D (G) Board, PB7918X-2
✻U901C	23781645	CRT-D (B) Board, PB7918X-3
✻U901D	23781646	AC-IN Board, PB7918X-4
✻U901E	23781647	Front-IN Board, PB7918X-5
✻U901F	23781648	RMT-IN Board, PB7918X-6
✻U901G	23781649	SVM Board, PB7918X-7
✻U902A	23781594	Signal Board, PB7913X (40PW8DG)
✻U902A	23781776	Signal Board, PB7913Y (40PW8DB)
✻U904	23781596	Def Board, PB7915X
✻U908	23781598	CONV/POW1 Board, PB7917X
✻U909	23781597	Power2 Board, PB7916X

PICTURE TUBE

⚠V901R	23796127	Projection Tube Ass'y 40R
⚠V902G	23796128	Projection Tube Ass'y 40G
⚠V903B	23796129	Projection Tube Ass'y 40B

TUNER

H001	23321299	Tuner, EGA21LX1

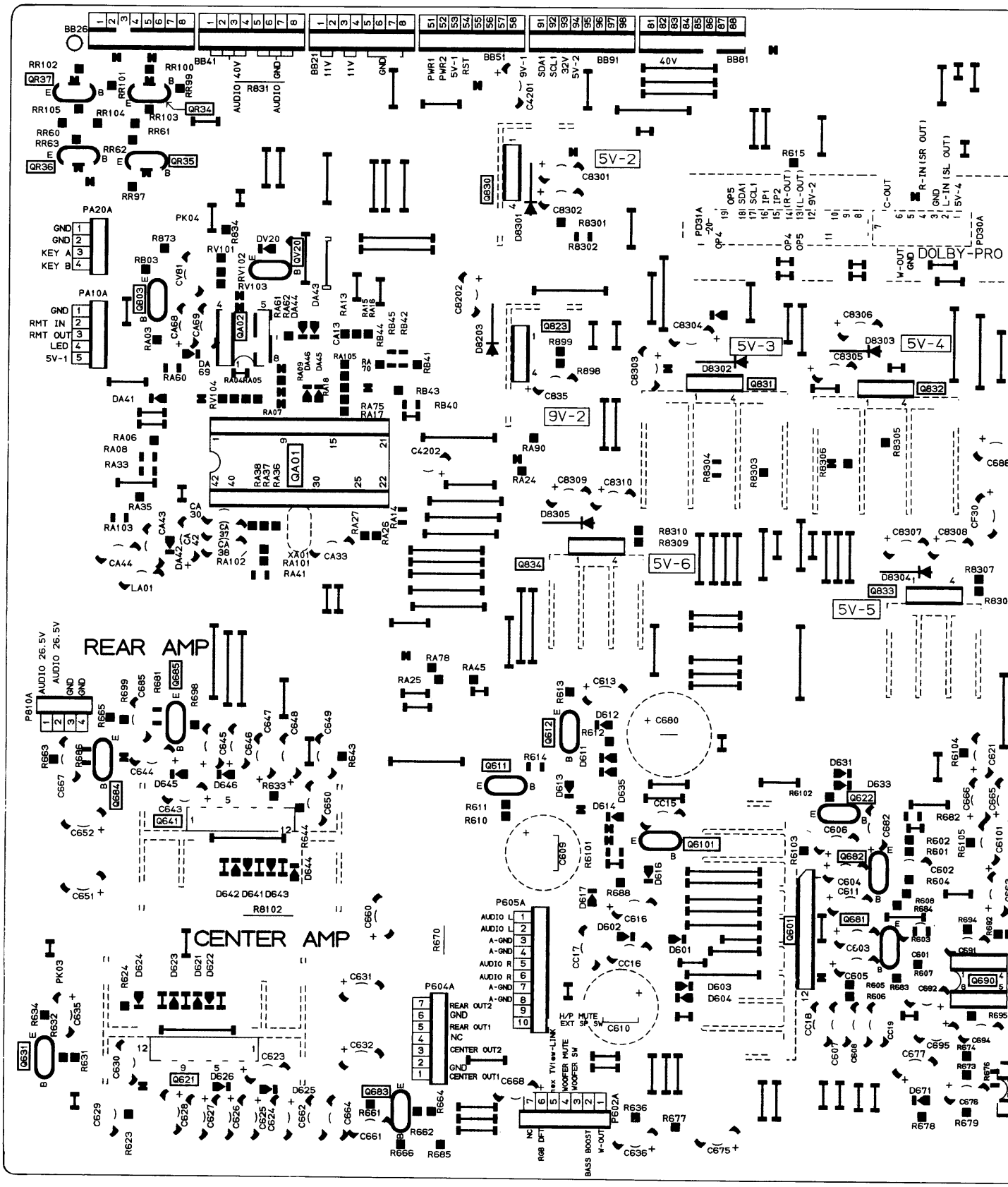
Location No.	Part No.	Description

ACCESSORIES

K902	23306216	Remote Hand Unit, CT-9900
AT04	23305572	Battery Cover
Y101	23563336	Owner's Manual, English, 40PW8DB
Y101E	23563297	Owner's Manual, English, 40PW8DG
Y101F	23563298	Owner's Manual, France, 40PW8DG
Y101G	23563299	Owner's Manual, German, 40PW8DG
Y101I	23563300	Owner's Manual, Italian, 40PW8DG
Y101S	23563301	Owner's Manual, Spanish, 40PW8DG

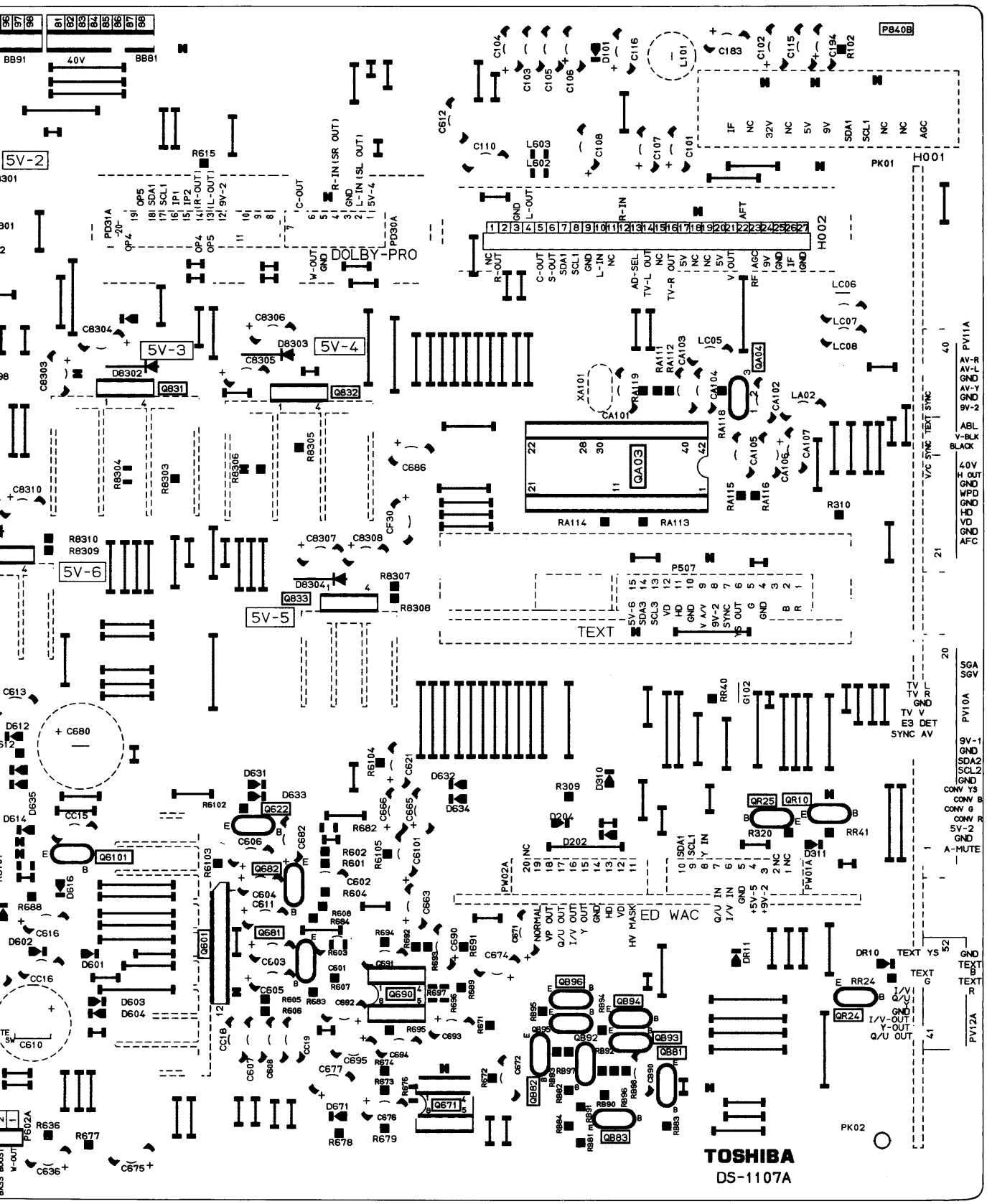
SIGNAL BOARD PB7913X

BOTTOM (FOIL) SIDE



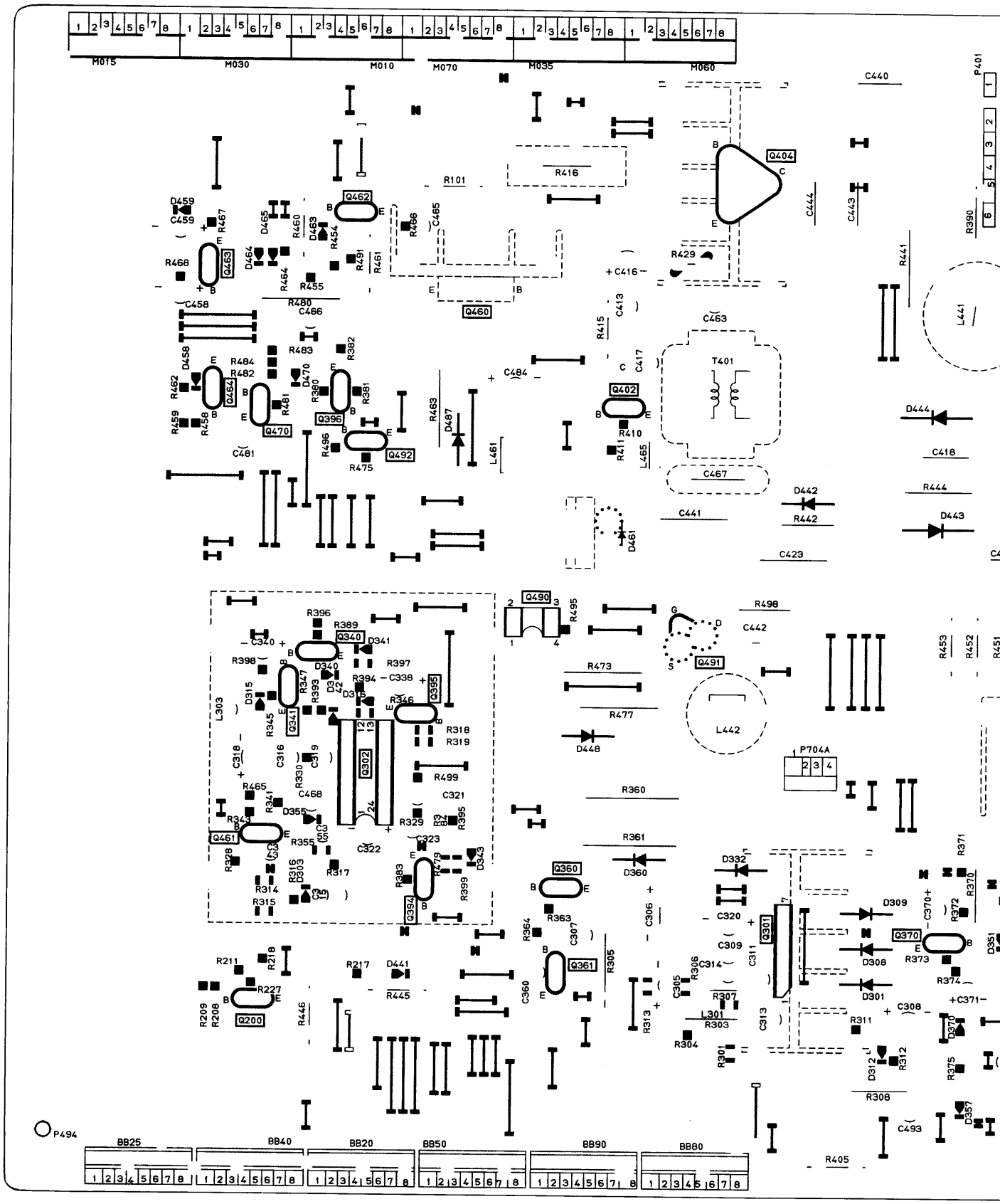
SIGNAL BOARD PB7913X

BOTTOM (FOIL) SIDE



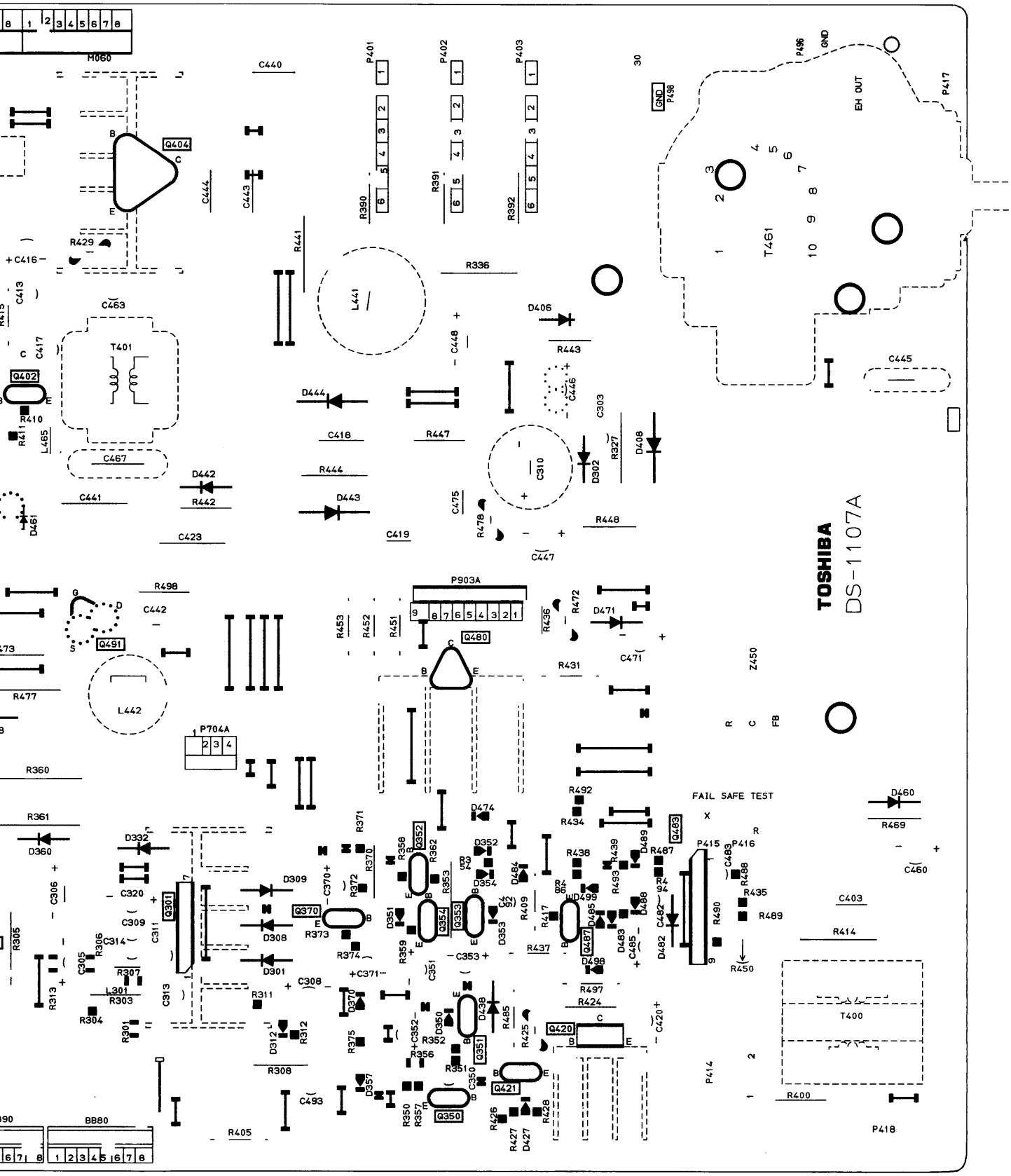
DEF BOARD PB7915X

BOTTOM (FOIL) SIDE



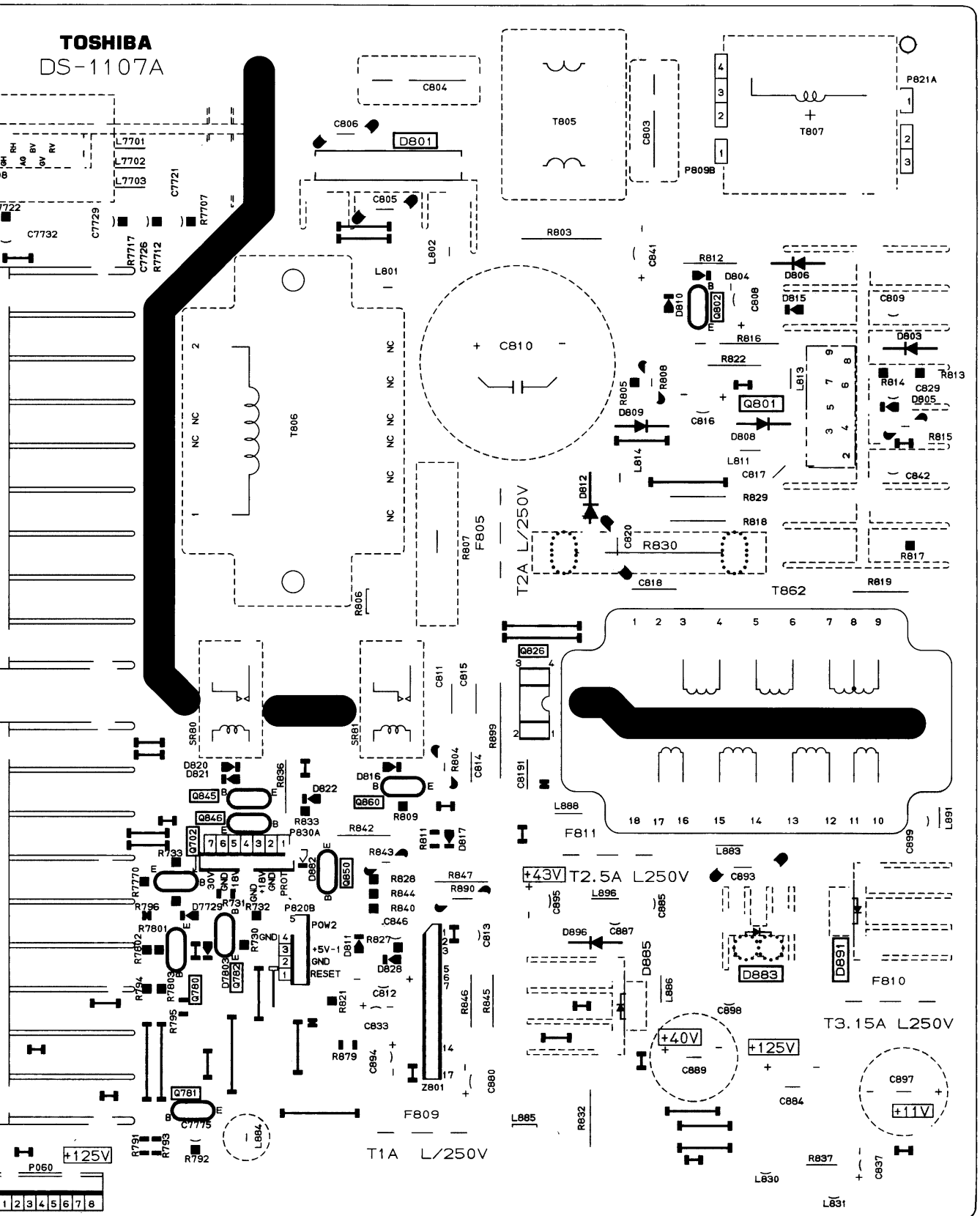
DEF BOARD PB7915X

BOTTOM (FOIL) SIDE



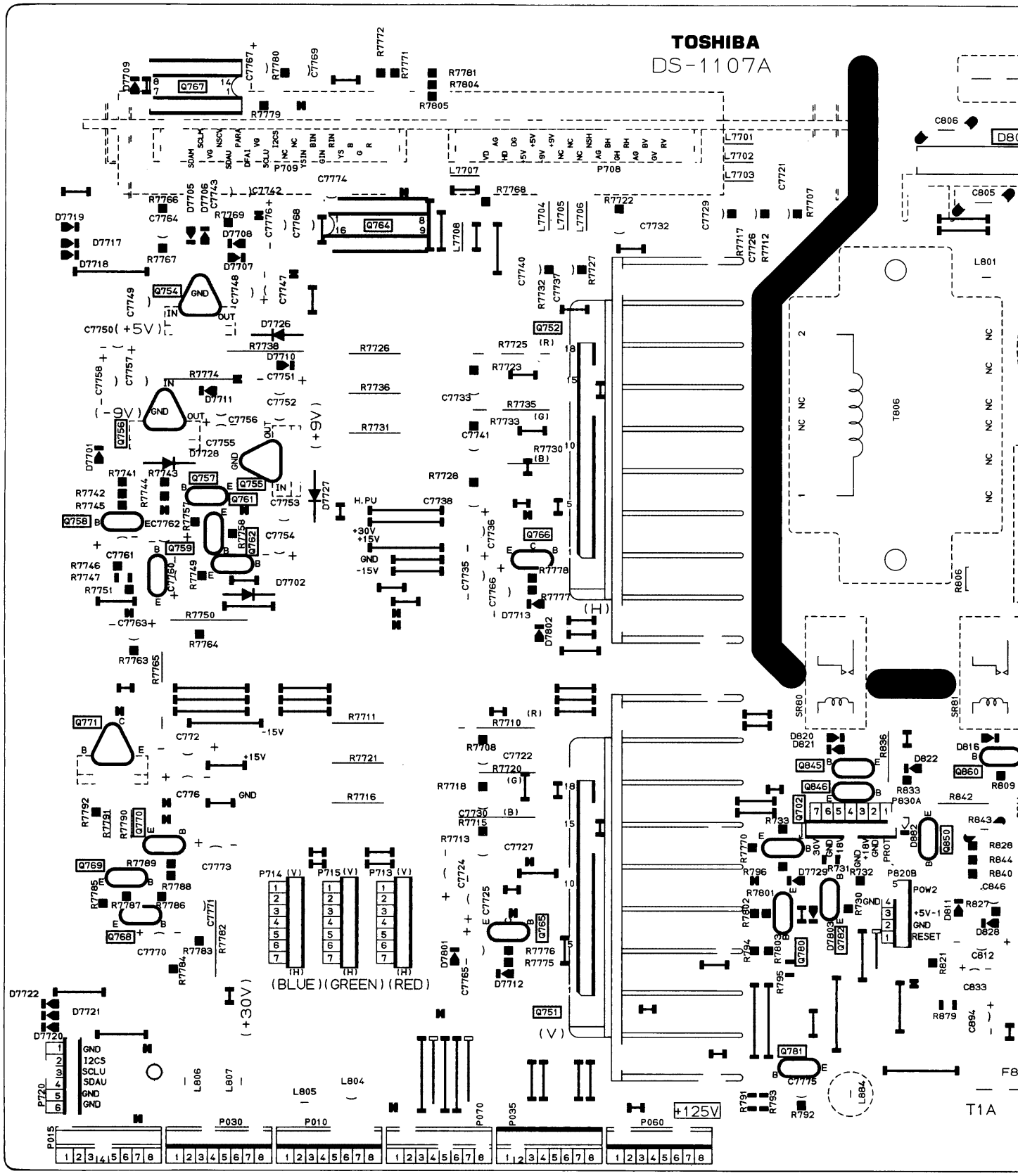
NV/POWER BOARD PB7917X

BOTTOM (FOIL) SIDE



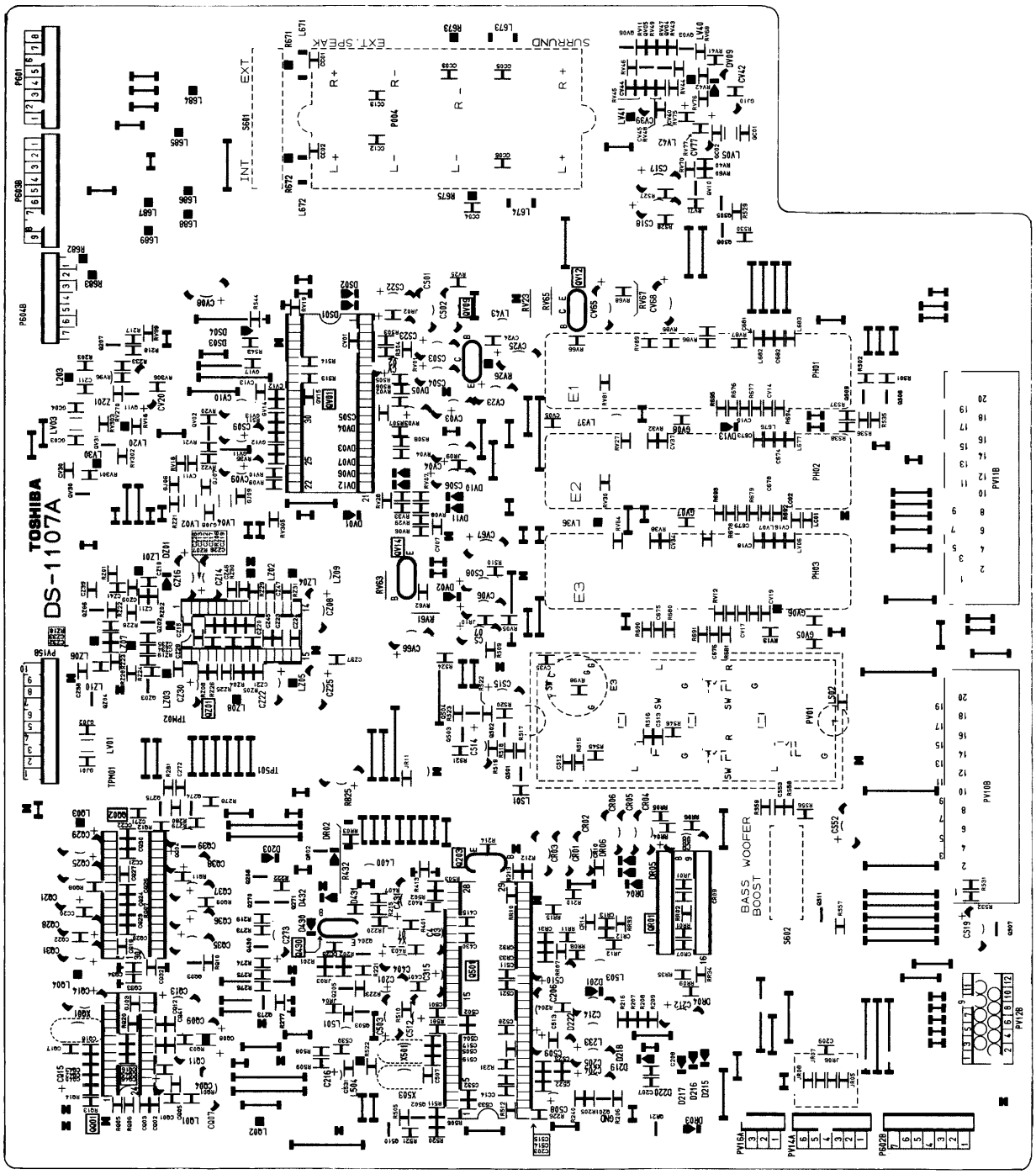
CONV/POWER BOARD PB7917X

BOTTOM (FOIL) SIDE



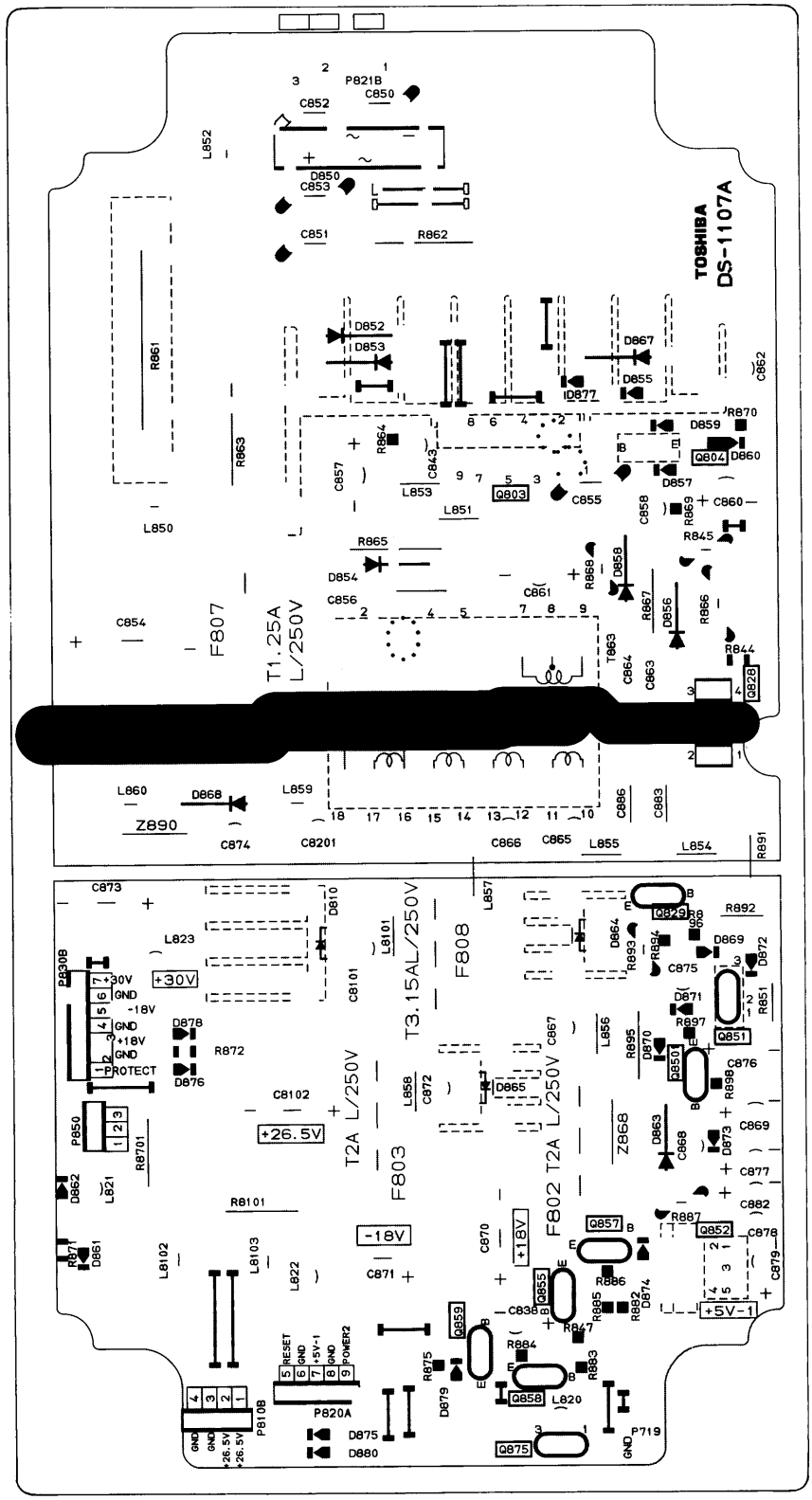
A/V BOARD PB7914

BOTTOM (FOIL) SIDE



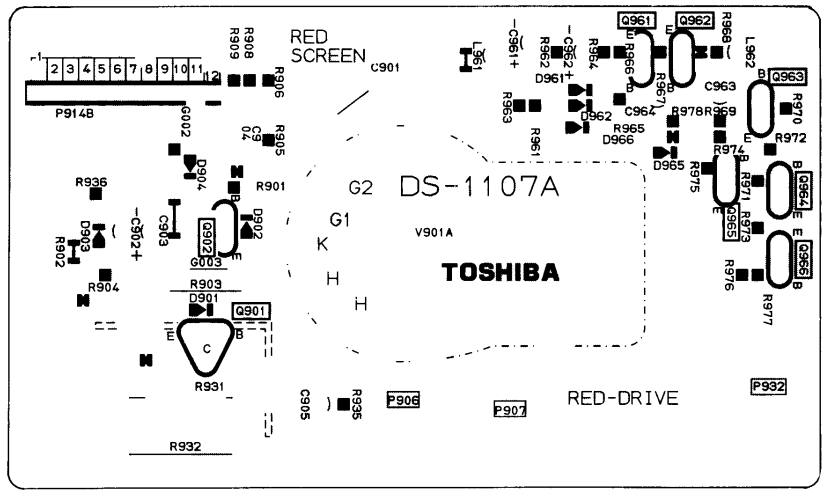
POWER 2 BOARD PB7916X

BOTTOM (FOIL) SIDE



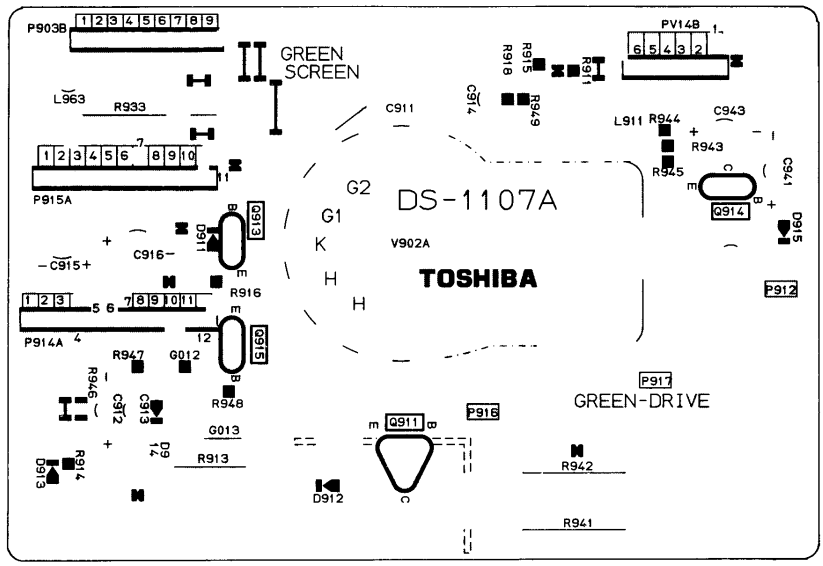
R-DRIVE BOARD PB7918X-1

BOTTOM (FOIL) SIDE



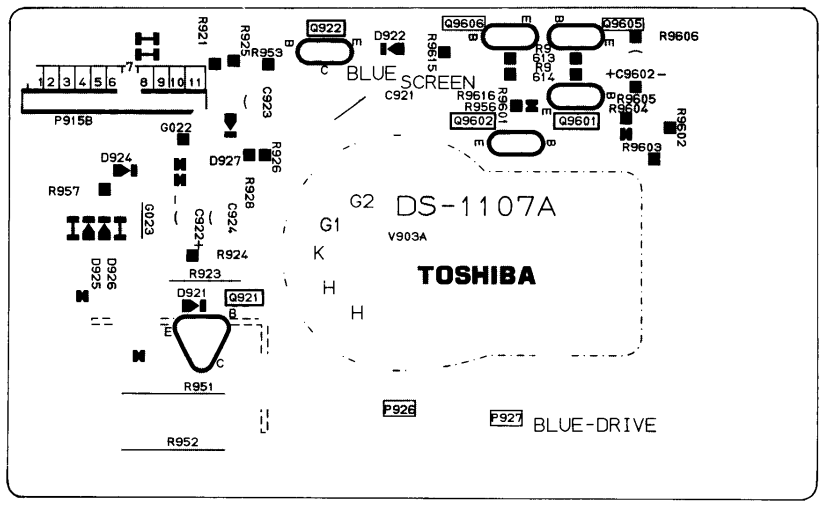
G-DRIVE BOARD PB7918X-2

BOTTOM (FOIL) SIDE



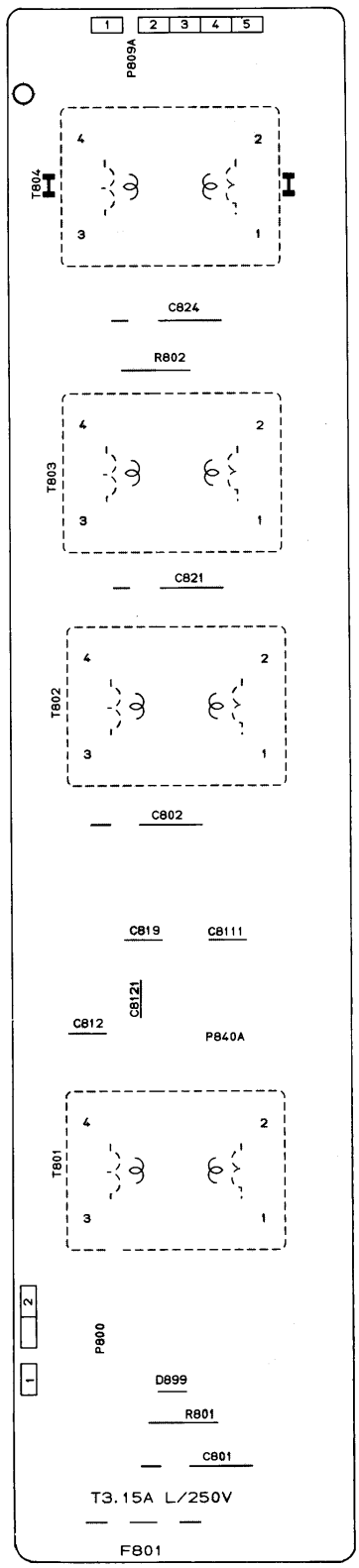
B-DRIVE BOARD PB7918X-3

BOTTOM (FOIL) SIDE



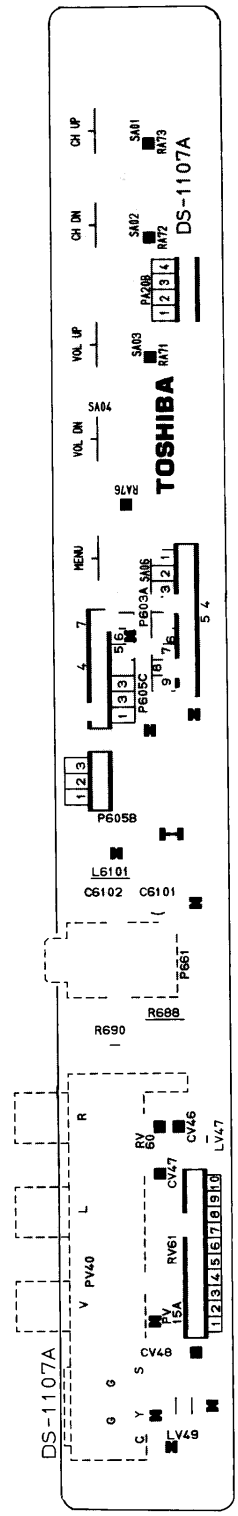
AC-IN BOARD PB7918X-4

BOTTOM (FOIL) SIDE



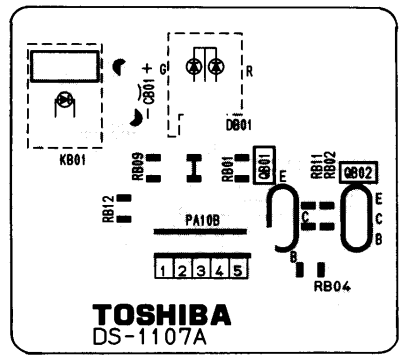
FRONT-IN BOARD PB7918X-5

BOTTOM (FOIL) SIDE



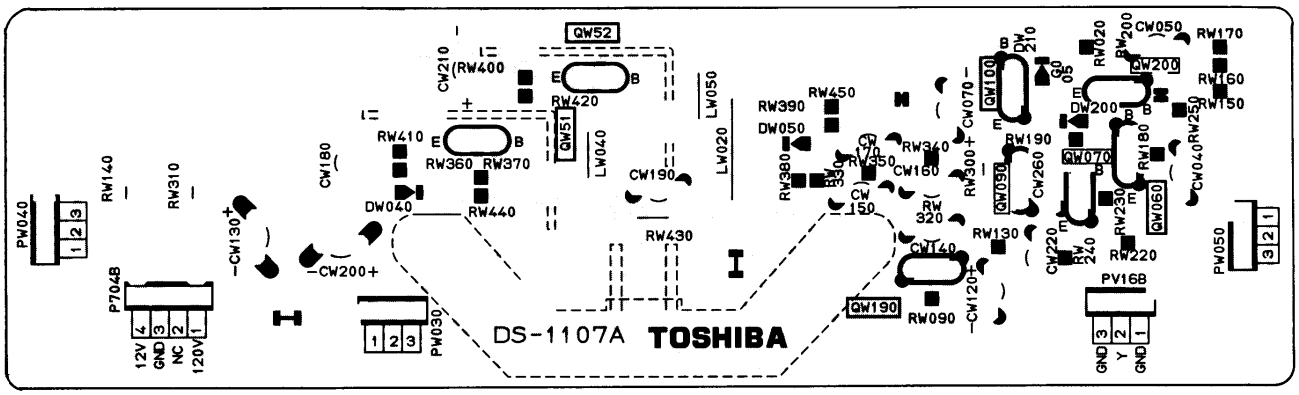
RMT BOARD PB7918X-6

BOTTOM (FOIL) SIDE



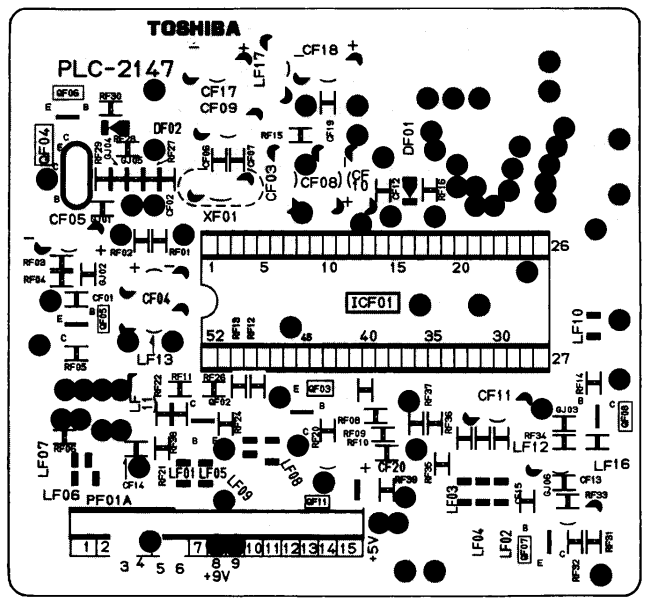
SVM BOARD PB7918X-7

BOTTOM (FOIL) SIDE



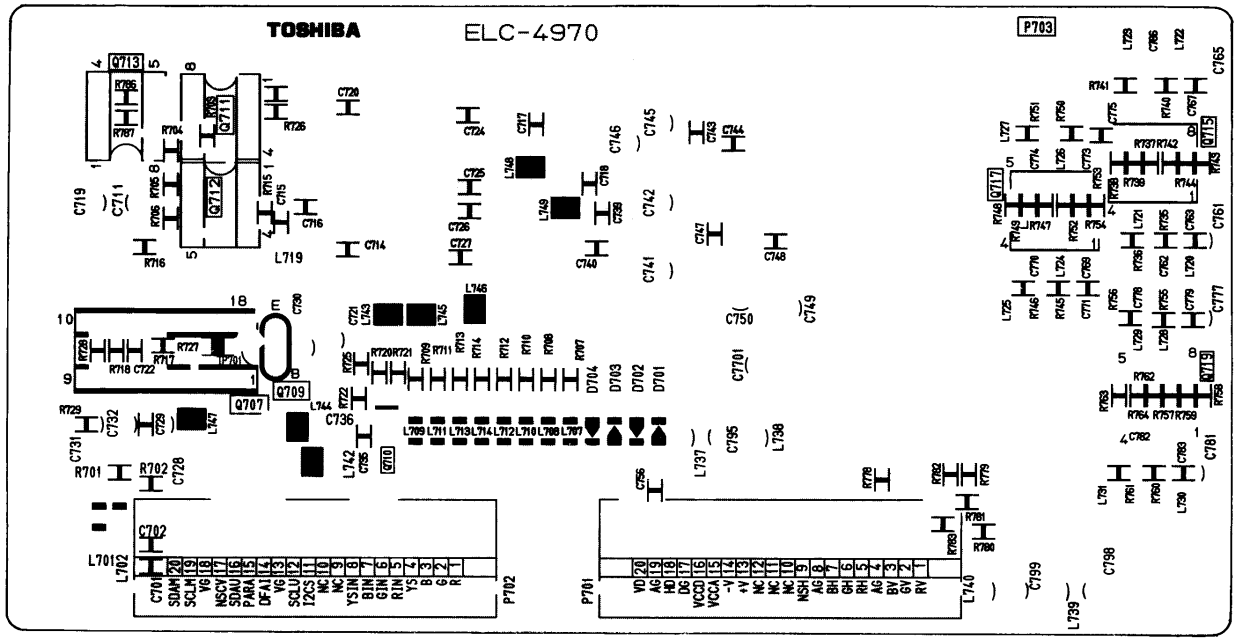
TEXT BOARD PB7928X

BOTTOM (FOIL) SIDE



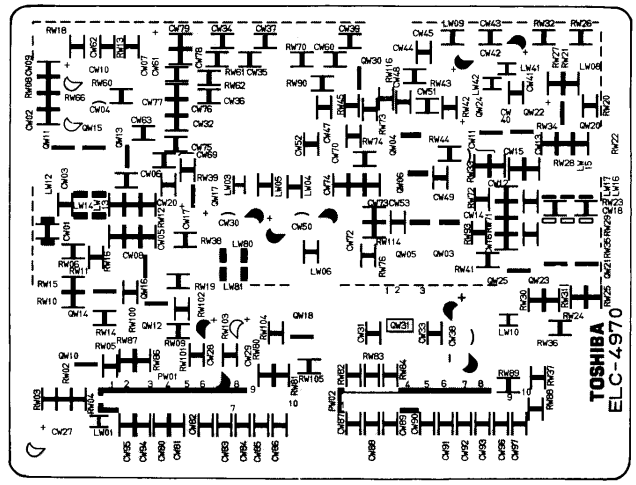
DIGITAL-CONV BOARD PB7929

BOTTOM (FOIL) SIDE



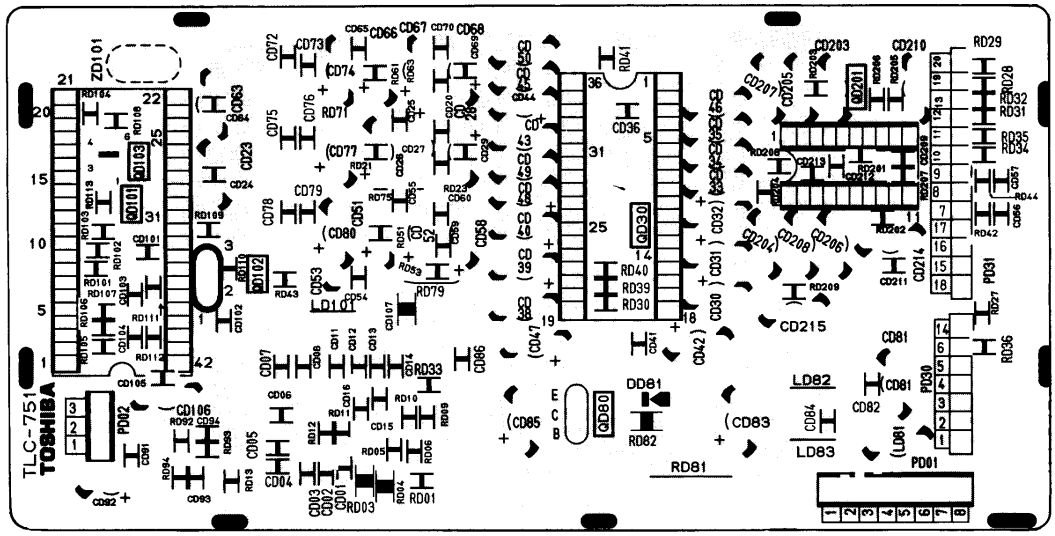
ED-WAC BOARD PB7919

BOTTOM (FOIL) SIDE



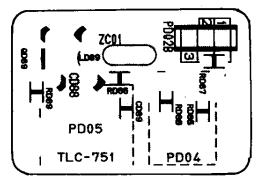
DOLBY BOARD PB7944Y-1

BOTTOM (FOIL) SIDE



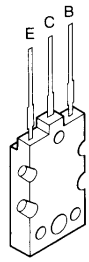
DIG-IN BOARD PB7944Y-2

BOTTOM (FOIL) SIDE

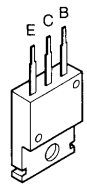


TERMINAL VIEW OF TRANSISTORS

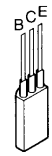
① 2SD2253
(old)
2SC5243



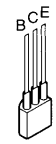
② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



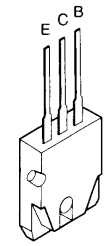
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



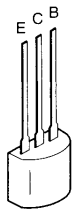
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



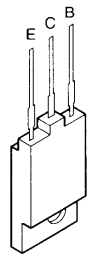
⑤ 2SA1788



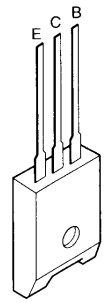
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143



⑧ ON4409



SPECIFICATIONS (40PW8DB)

Input Power Rating:	AC 220 ~ 240 Volts, 50 Hz, 225Watts
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV
Television System and Channels:	**System** **Channel** **VHF** **UHF** **CATV** PAL I UK – 21 ~ 69 –
Intermediate Frequencies:	Picture I-F carrier frequency : 38.9 MHz Sound I-F carrier frequency : 32.9 MHz
Colour System:	PAL
Sound Output:	14W + 14W (MAIN), 10W + 10W (CENTER), 10W +10W (REAR)
Speakers:	100 mm round, 2 pcs
Aux. Terminals:	Headphone jack, S-VIDEO socket, VIDEO/AUDIO input socket, MONITOR output socket
Dimensions:	Height ..... 1118.5 mm Width ..... 955 mm Depth ..... 406.5 mm

SPECIFICATIONS (40PW8DG)

Input Power Rating:	AC 220 ~ 240 Volts, 50 Hz, 195Watts
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV
Television System and Channels:	**System** **Channel** **VHF** **UHF** **CATV** PAL B/G CCIR E2 ~ E12 E21 ~ E69 S1 ~ S41 PAL I UK – UK21 ~ UK69 – SECAM D/K OIRT R1 ~ R12 R21 ~ R69 SECAM L C.C.I.R F1 ~ F10 F21 ~ F69 B ~ Q
Intermediate Frequencies:	Picture Intermediate Carrier Frequency : 38.9 MHz Sound Intermediate Carrier Frequency : 33.4 MHz B/G 32.9 MHz I 32.4 MHz D/K/L
Colour System:	PAL / SECAM
Sound Output:	14W + 14W (MAIN), 10W + 10W (CENTER), 10W + 10W (REAR)
Speakers:	100 mm round, 2 pcs
Aux. Terminals:	Headphone jack, S-VIDEO socket, VIDEO/AUDIO input socket, MONITOR output socket
Dimensions:	Height ..... 1118.5 mm Width ..... 955 mm Depth ..... 406.5 mm

Specifications are subject to change without notice.

SCHEMATIC DIAGRAM MODEL : 40PW8DG (1/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

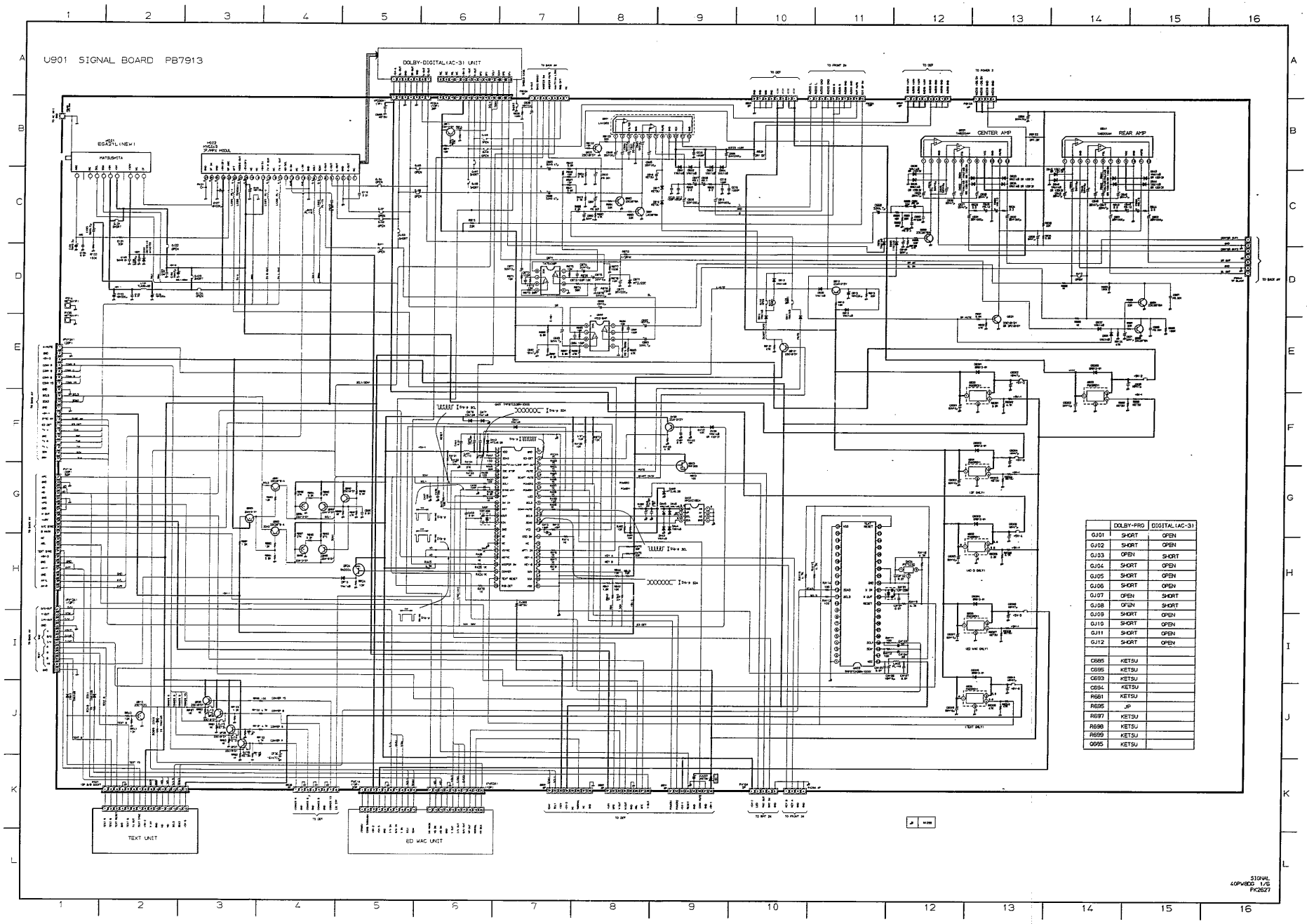
NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.



	DOLBY-PRO	DIGITAL(AC-3)
GJ01	SHORT	OPEN
GJ02	SHORT	OPEN
GJ03	OPEN	SHORT
GJ04	SHORT	OPEN
GJ05	SHORT	OPEN
GJ06	SHORT	OPEN
GJ07	OPEN	SHORT
GJ08	OPEN	SHORT
GJ09	SHORT	OPEN
GJ10	SHORT	OPEN
GJ11	SHORT	OPEN
GJ12	SHORT	OPEN
C685	KETSU	
C695	KETSU	
C693	KETSU	
C694	KETSU	
R681	KETSU	
R695	JP	
R697	KETSU	
R698	KETSU	
R699	KETSU	
Q695	KETSU	

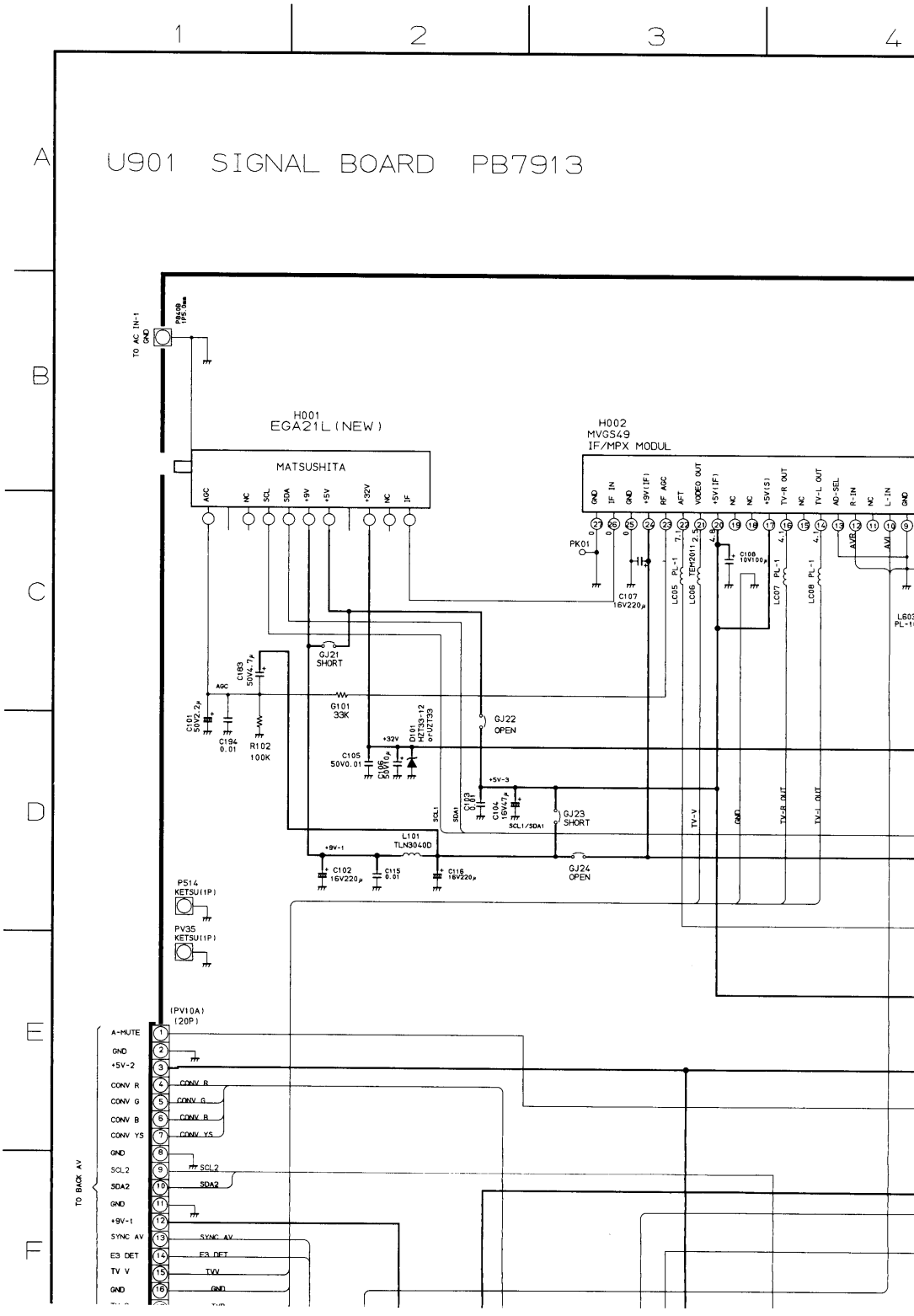
SCHEMATIC DIAGRAM MODEL : 40PW8DG (1/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVA

1. Voltage volts, c
2. All wav
3. Wavefo
4. Make s BRIGHT picture



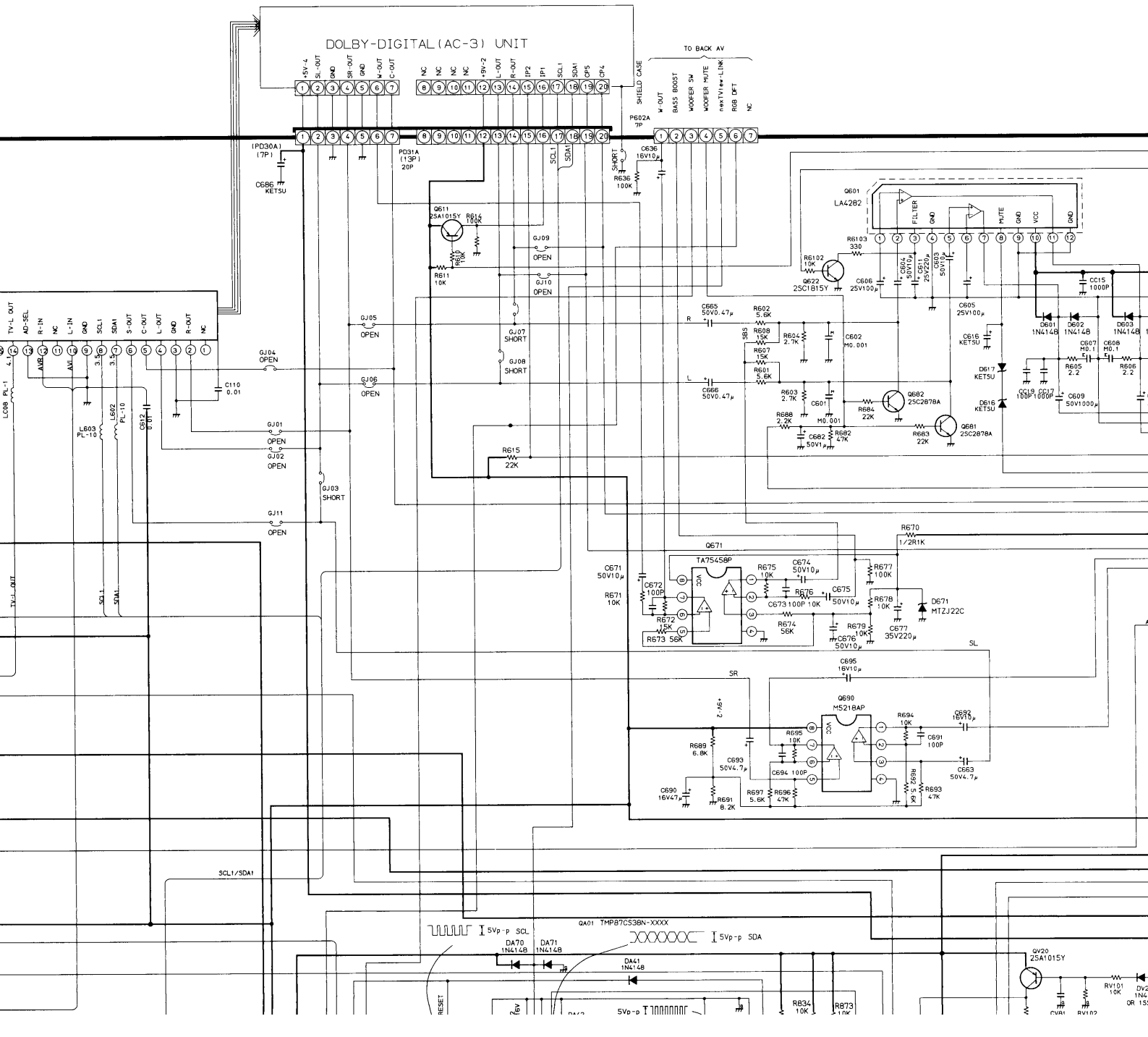
OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a principal trans
   gram. These are measured for separated f
2. The circuits are subject to change withou
3. ● : Solder links.

4 5 6 7 8 9



S:

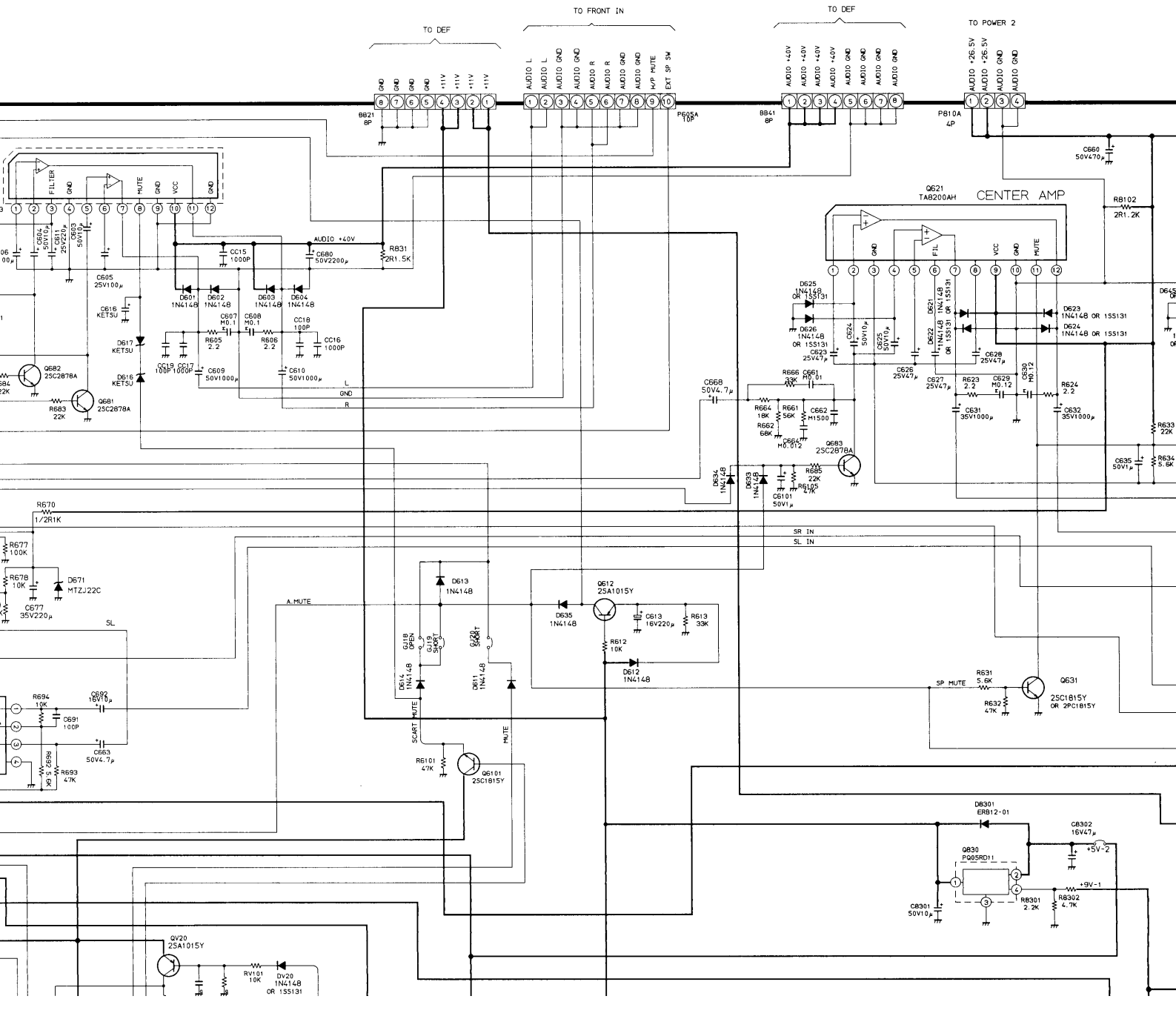
C. resistance value of a principal transformer is shown in this schematic dia-
m. These are measured for separated from the circuit.
e circuits are subject to change without notice.
: Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUC

1. Resistance is shown in ohm, k=1,000, M=1,000,00
2. Unless other wise noted in schematic, all capacito
sed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor
sed in μH, and the values less than 1 in H.

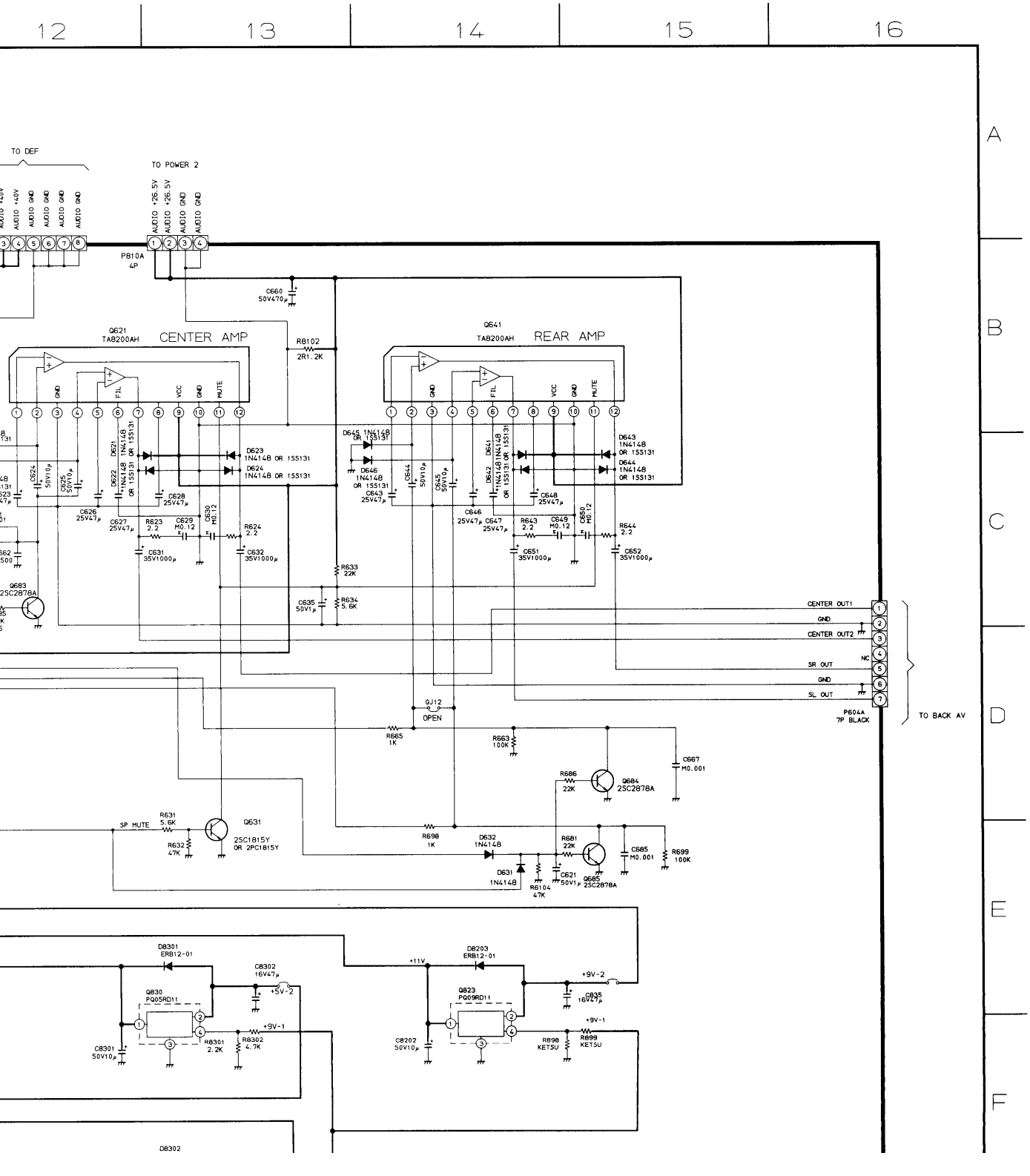
8 9 10 11 12 13

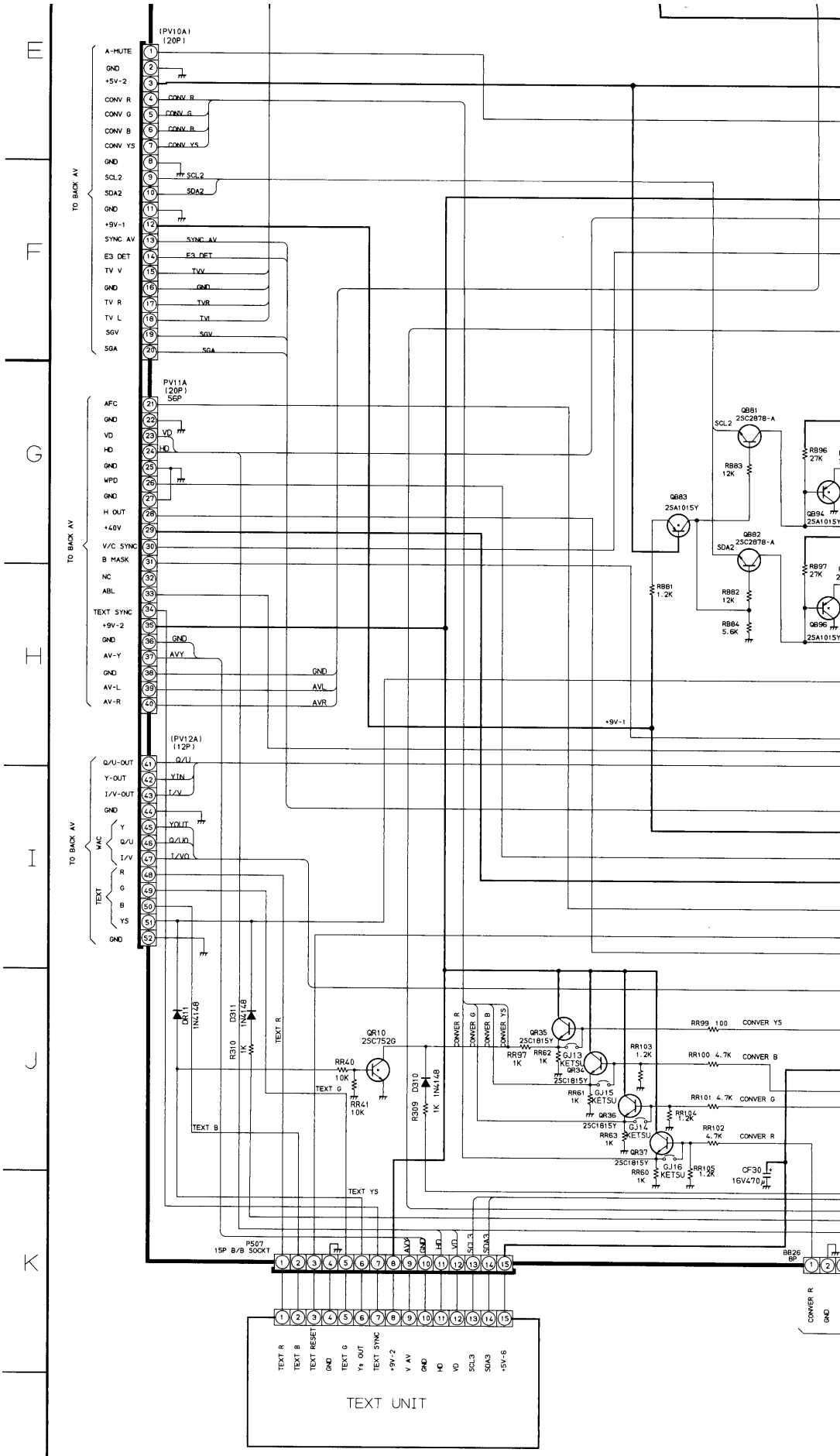


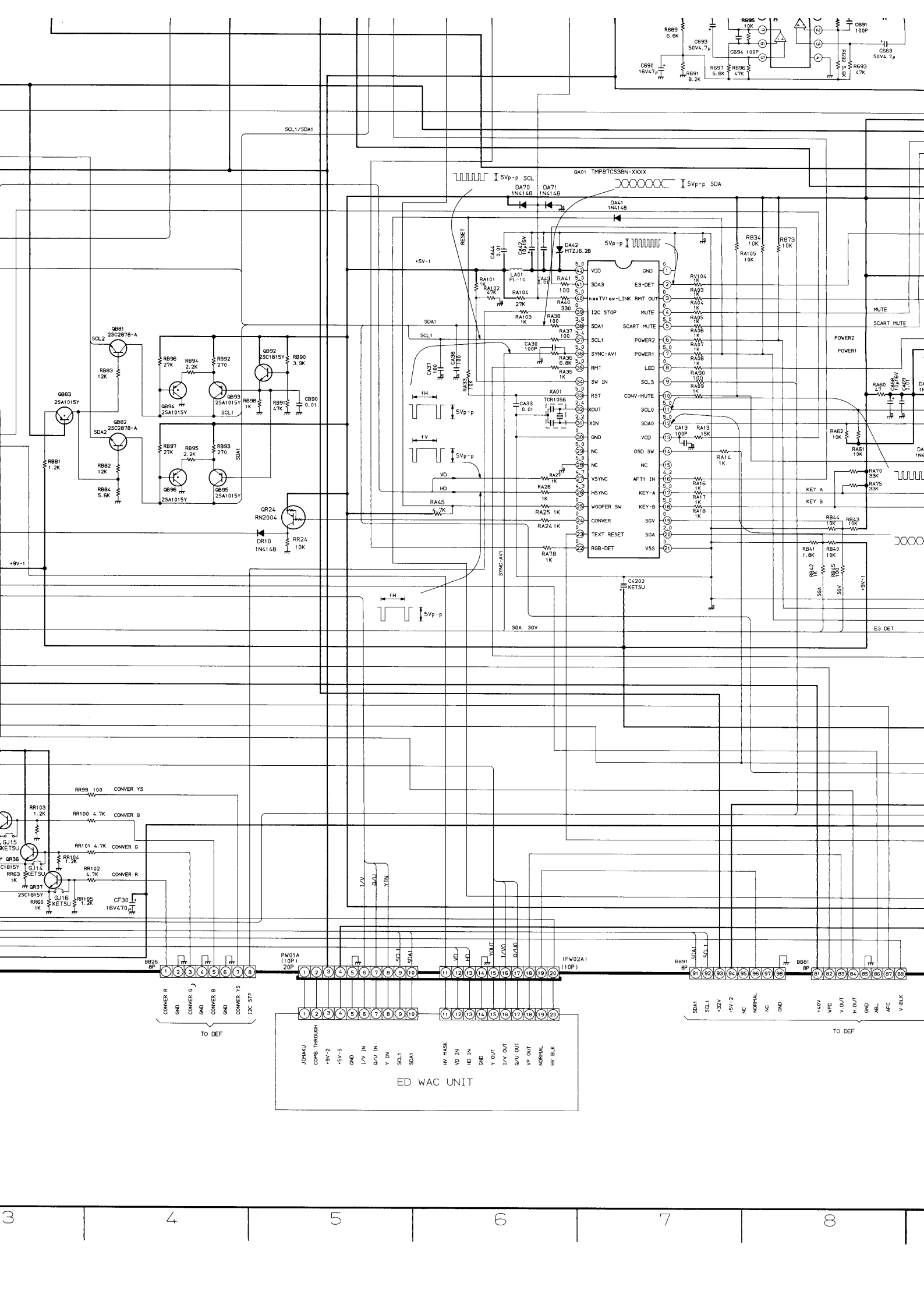
RESSION

E OF RESISTOR, CAPACITOR and INDUCTOR

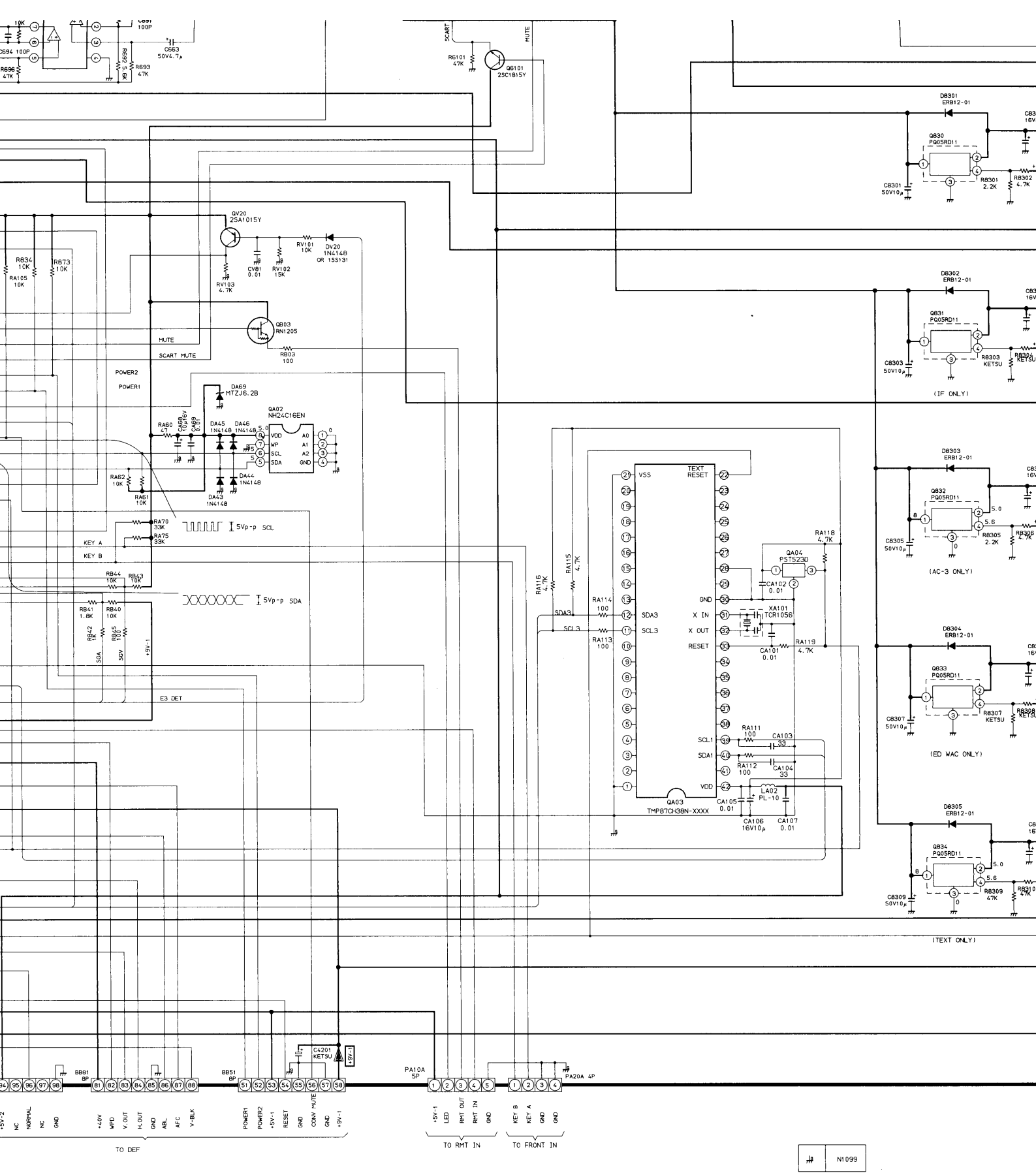
sistance is shown in ohm, k=1,000, M=1,000,000
less other wise noted in schematic, all capacitor values less than 1 are expres-
in μF and the values more than 1 in pF.
less otherwise noted in schematic, all inductor values more than 1 are expres-
in μH, and the values less than 1 in H.

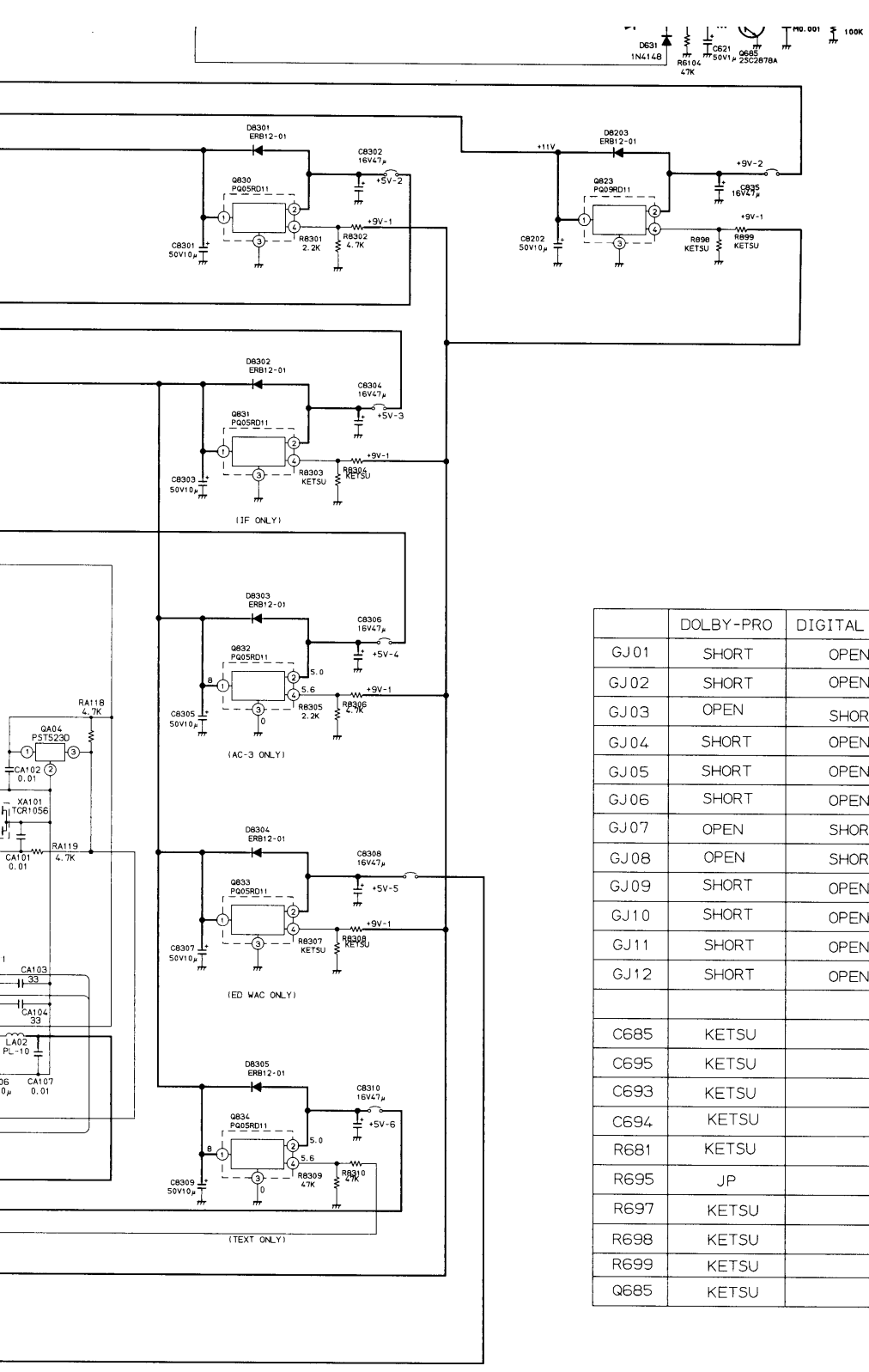



(PV10A)
(20P)
A-MUTE
GND
+5V-2
CONV R
CONV G
CONV B
CONV YS
GND
SCL2
SDA2
GND
+9V-1
SYNC AV
E3 DET
TV V
GND
TV R
TV L
SGV
SGA
TO BACK AV
PV11A
(20P)
56P
AFC
GND
VD
HD
GND
WPD
GND
H OUT
+40V
V/C SYNC
B MASK
NC
ABL
TEXT SYNC
+9V-2
GND
AV-Y
GND
AV-L
AV-R
(PV12A)
(12P)
Q/U-OUT
Y-OUT
I/V-OUT
GND
MAC
Y
Q/U
I/V
TEXT
R
G
B
YS
GND
QB81
2SC2878-A
QB83
2SA1015Y
QB82
2SC2878-A
QB84
2SA1015Y
QB96
2SA1015Y
RB96
27K
RB97
27K
RB83
12K
RB81
1.2K
RB82
12K
RB84
5.6K
QR10
2SC752G
QR35
2SC1815Y
QR34
2SC1815Y
QR36
2SC1815Y
QR37
2SC1815Y
GJ13
KETSU
GJ15
KETSU
GJ14
KETSU
GJ16
KETSU
RR40
10K
RR41
10K
RR97
1K
RR62
1K
RR61
1K
RR63
1K
RR60
1K
RR103
1.2K
RR104
1.2K
RR105
1.2K
RR99
100
RR100
4.7K
RR101
4.7K
RR102
4.7K
CONVER YS
CONVER B
CONVER G
CONVER R
CF30
16V470μ
D311
1N4148
D310
1N4148
D309
1N4148
R310
1K
R309
1K
TEXT R
TEXT G
TEXT B
TEXT YS
P507
15P B/B SOCKT
BB26
8P
TEXT UNIT
TEXT R
TEXT B
TEXT RESET
GND
TEXT G
Ys OUT
TEXT SYNC
+9V-2
V AV
GND
HD
VD
SCL3
SDA3
+5V-6
E
F
G
H
I
J
K
L
1
2
3
4


QA01 TMP87C538N-XXXX
5Vp-p SCL
5Vp-p SDA
ED WAC UNIT
TO DEF
TO DEF
CONVER R
CONVER G
CONVER B
CONVER YS
I2C STP
JIMAKU
COMB THROUGH
+9V-2
+5V-5
GND
I/V IN
Q/U IN
Y IN
SCL1
SDA1
HV MASK
VD IN
HD IN
GND
Y OUT
I/V OUT
Q/U OUT
VP OUT
NORMAL
HV BLK
SDA1
SCL1
+32V
+5V-2
NC
NORMAL
NC
GND
+40V
WPD
V OUT
H OUT
GND
ABL
AFC
V-BLK
MUTE
SCART MUTE
POWER2
POWER1
E3 DET
KEY A
KEY B
SCL1/SDA1
+5V-1
+9V-1
RESET
SYNC-AV1
SGA
SGV

3	4	5	6	7	8


SCART
MUTE
R6101 47K
Q6101 2SC1815Y
D8301 ERB12-01
Q830 PQ05RD11
C8301 50V10μ
R8301 2.2K
R8302 4.7K
D8302 ERB12-01
Q831 PQ05RD11
C8303 50V10μ
R8303 KETSU
R8304 KETSU
(IF ONLY)
D8303 ERB12-01
Q832 PQ05RD11
C8305 50V10μ
R8305 2.2K
R8306 4.7K
(AC-3 ONLY)
D8304 ERB12-01
Q833 PQ05RD11
C8307 50V10μ
R8307 KETSU
R8308 KETSU
(ED WAC ONLY)
D8305 ERB12-01
Q834 PQ05RD11
C8309 50V10μ
R8309 47K
R8310 4.7K
(TEXT ONLY)
QV20 2SA1015Y
RV101 10K
DV20 1N4148 OR 1SS131
CV81 0.01
RV102 15K
RV103 4.7K
R834 10K
R873 10K
RA105 10K
QB03 RN1205
MUTE
SCART MUTE
RB03 100
POWER2
POWER1
DA69 MTZJ6.2B
QA02 NH24C16EN
RA60 47
CA68 10μ 16V
CA69 0.01
DA45 1N4148
DA46 1N4148
DA44 1N4148
DA43 1N4148
RA62 10K
RA61 10K
RA70 33K
RA75 33K
KEY A
KEY B
5Vp-p SCL
5Vp-p SDA
RB44 10K
RB43 10K
RB41 1.8K
RB40 10K
RB42 1K
RB45 1K
SGA
SGV
+9V-1
E3 DET
RA116 4.7K
RA115 4.7K
RA114 100
RA113 100
SDA3
SCL3
QA03 TMP87CH38N-XXXX
TEXT RESET
VSS
GND
SDA3
SCL3
X IN
X OUT
RESET
SCL1
SDA1
VDD
XA101 TCR1056
CA101 0.01
CA102 0.01
QA04 PST523D
RA118 4.7K
RA119 4.7K
RA111 100
RA112 100
CA103 33
CA104 33
LA02 PL-10
CA105 0.01
CA106 16V10μ
CA107 0.01
C4201 KETSU
+9V-1
BB81 8P
BB51 8P
PA10A 5P
PA20A 4P
+5V-2
NC
NORMAL
NC
GND
+6.0V
WPD
V. OUT
H. OUT
GND
ABL
AFC
V-BLK
POWER1
POWER2
+5V-1
RESET
GND
CONV. MUTE
GND
+9V-1
TO DEF
+5V-1
LED
RMT OUT
RMT IN
GND
TO RMT IN
KEY B
KEY A
GND
GND
TO FRONT IN
N1099



	DOLBY-PRO	DIGITAL(AC-3)
GJ01	SHORT	OPEN
GJ02	SHORT	OPEN
GJ03	OPEN	SHORT
GJ04	SHORT	OPEN
GJ05	SHORT	OPEN
GJ06	SHORT	OPEN
GJ07	OPEN	SHORT
GJ08	OPEN	SHORT
GJ09	SHORT	OPEN
GJ10	SHORT	OPEN
GJ11	SHORT	OPEN
GJ12	SHORT	OPEN
C685	KETSU	
C695	KETSU	
C693	KETSU	
C694	KETSU	
R681	KETSU	
R695	JP	
R697	KETSU	
R698	KETSU	
R699	KETSU	
Q685	KETSU	

※	N1099

SIGNAL
40PW8DG 1/6
PK2627

SCHEMATIC DIAGRAM **MODEL : 40PW8DG (2/6)**
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

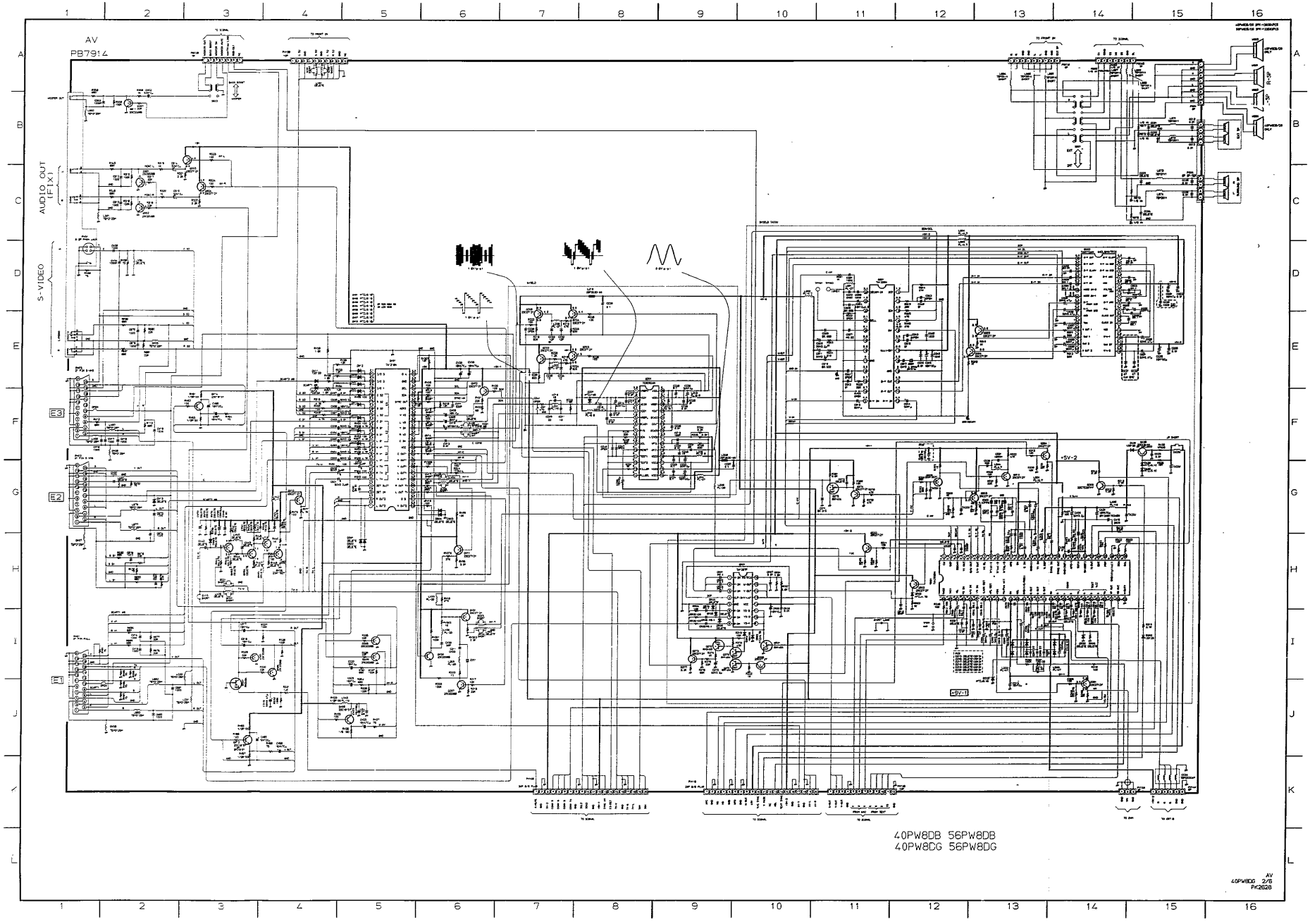
NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for seperated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.



SCHEMATIC DIAGRAM MODEL : 40PW8DG (2/6)
40PW8DB

030-9802

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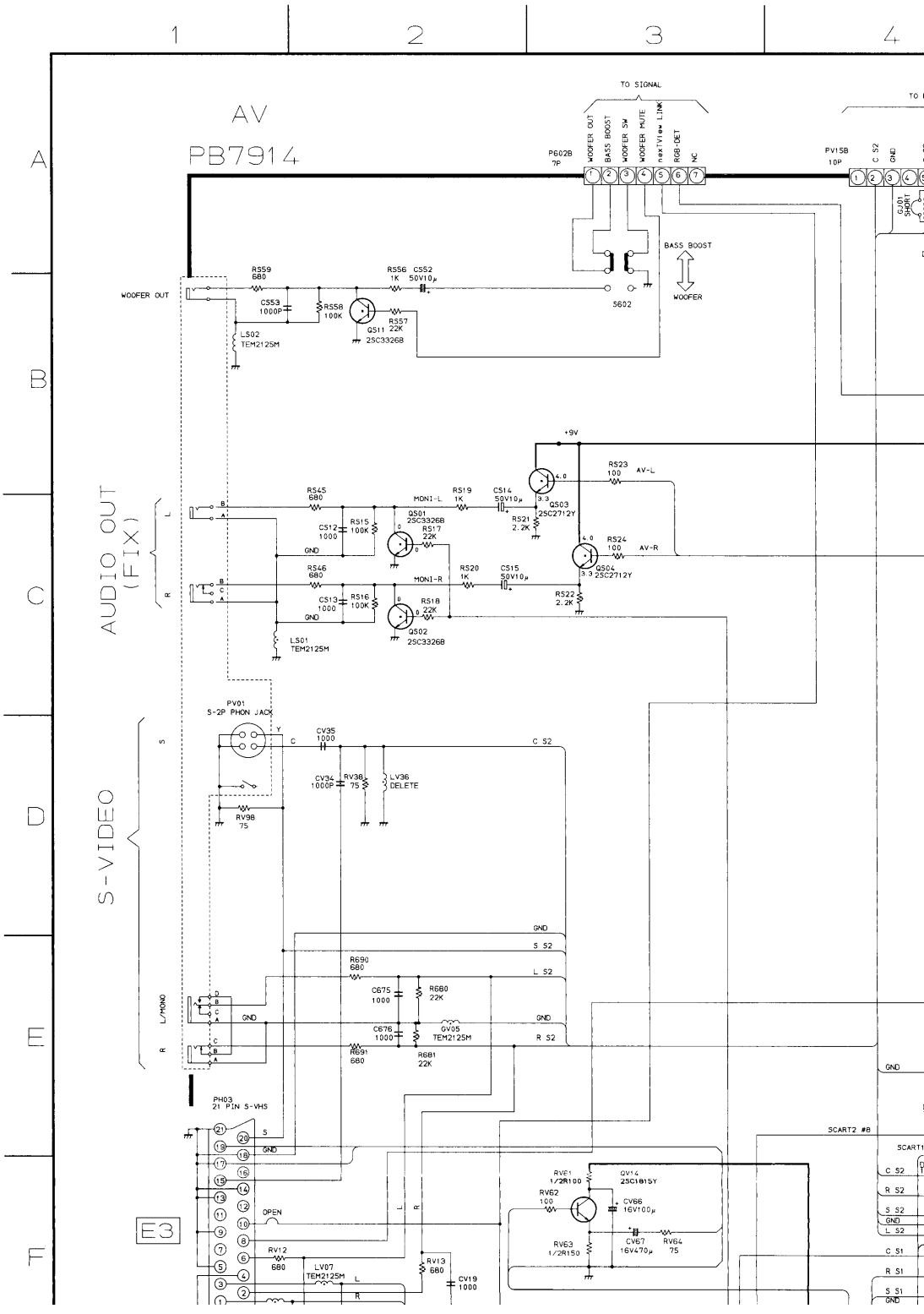
OBSERVAT

1. Voltages volts, co
2. All wave
3. Wavefor
4. Make su BRIGHTN picture.



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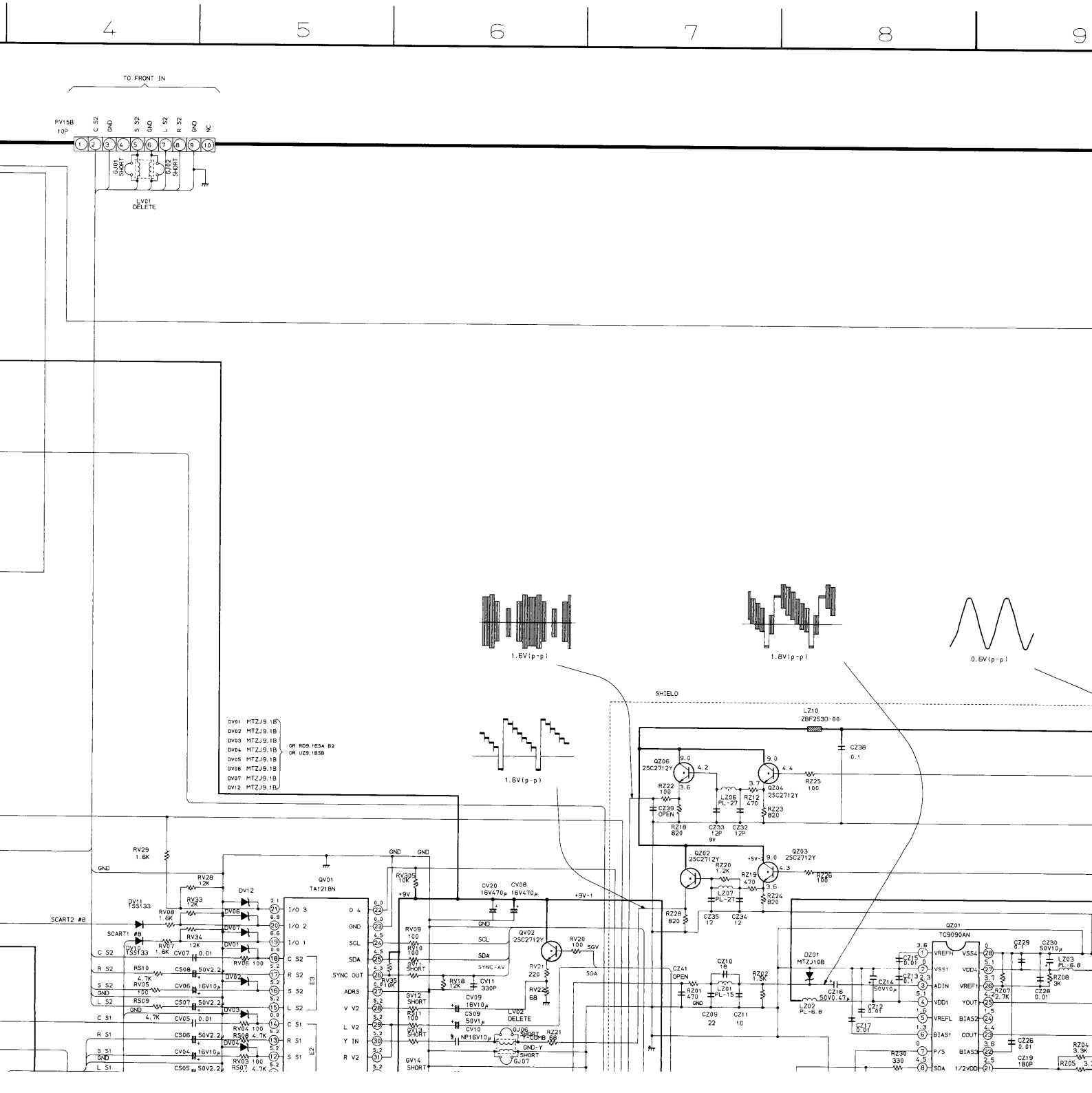
1. D.C. resistance value of a principa
   gram. These are measured for separ
2. The circuits are subject to change w
3. ● : Solder links.



stance value of a principal transformer is shown in this schematic dia-
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ts are subject to change without notice.
der links.

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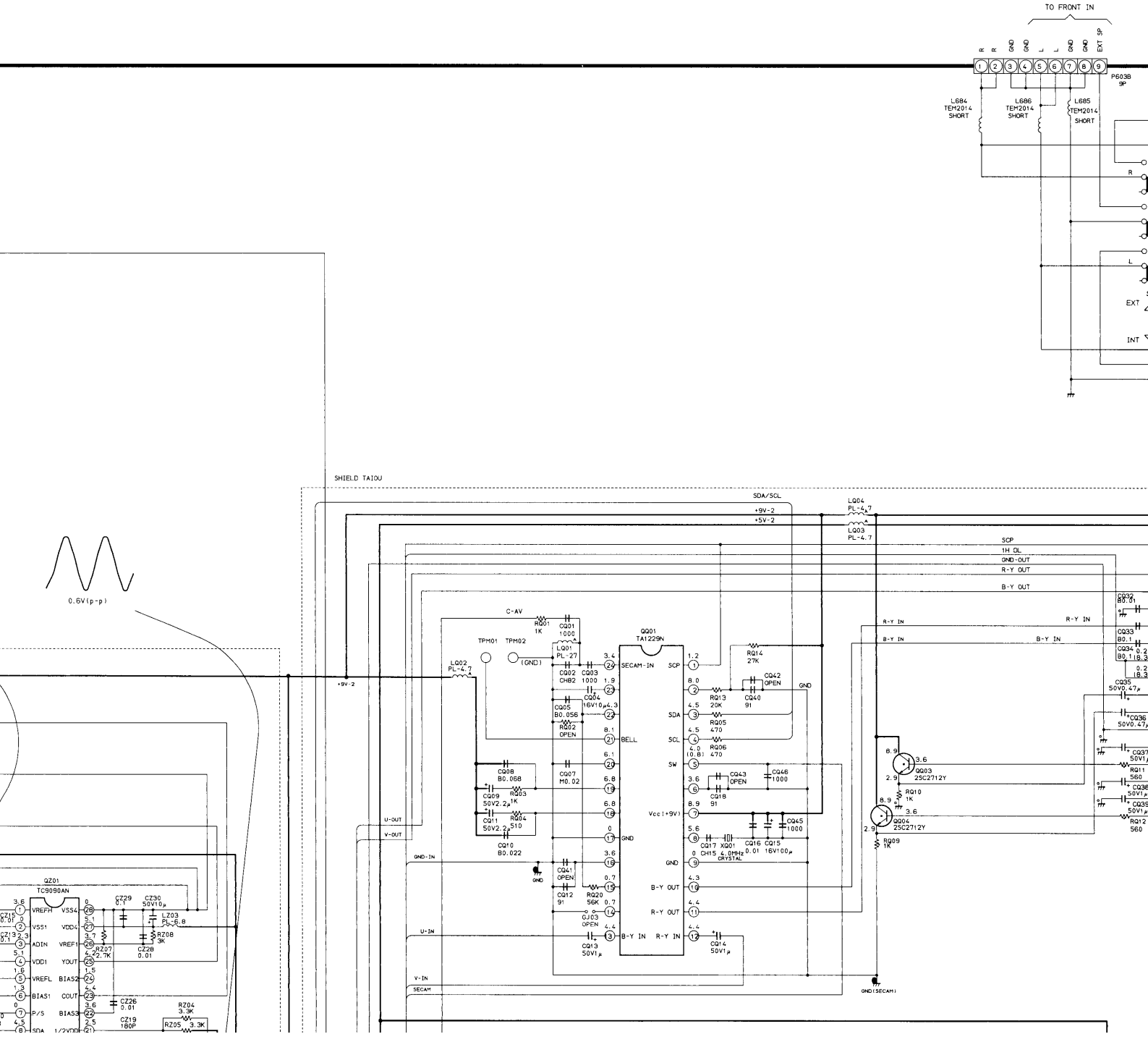
   sed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values
   sed in μH, and the values less than 1 in H.

9 | 10 | 11 | 12 | 13



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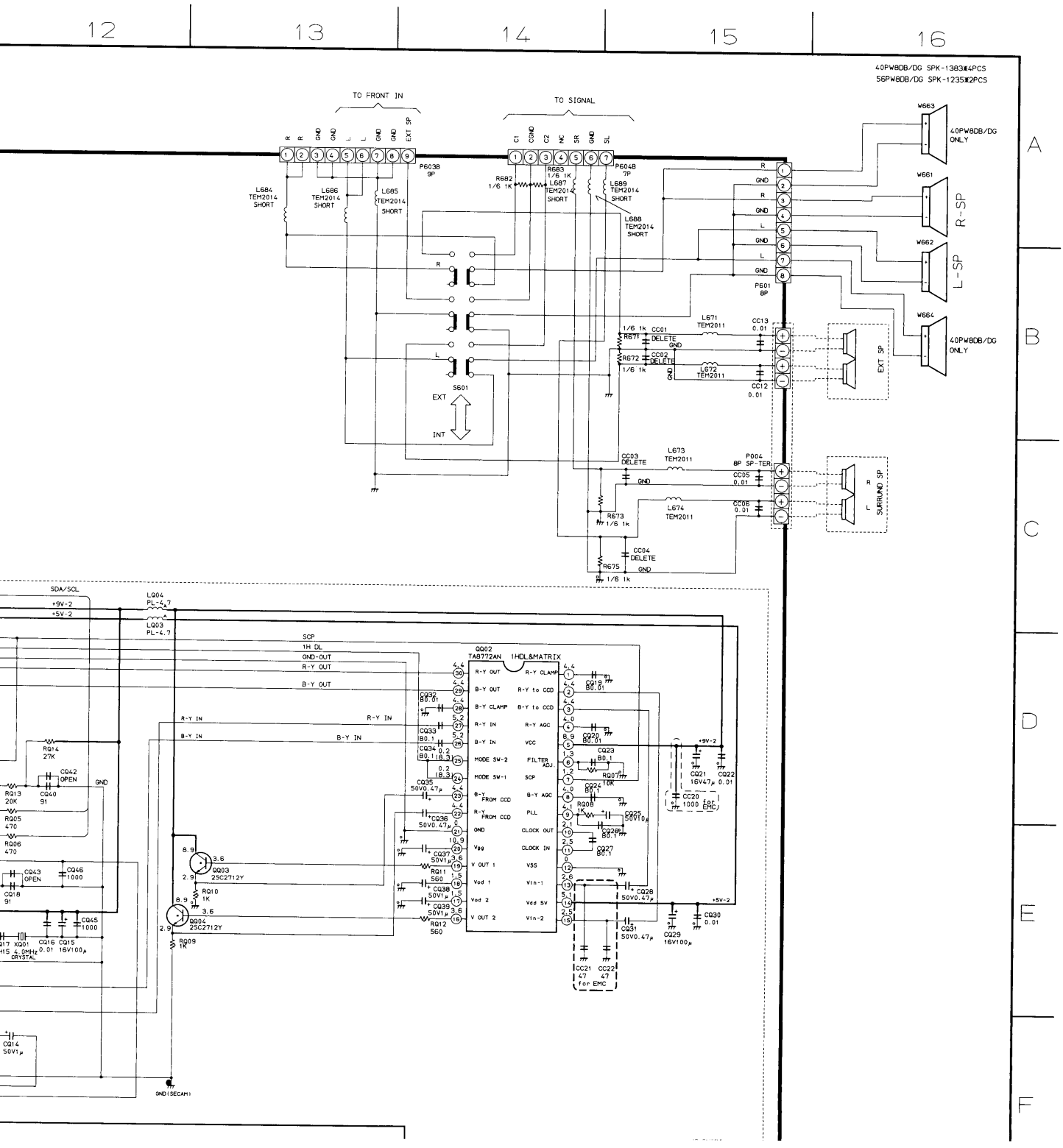
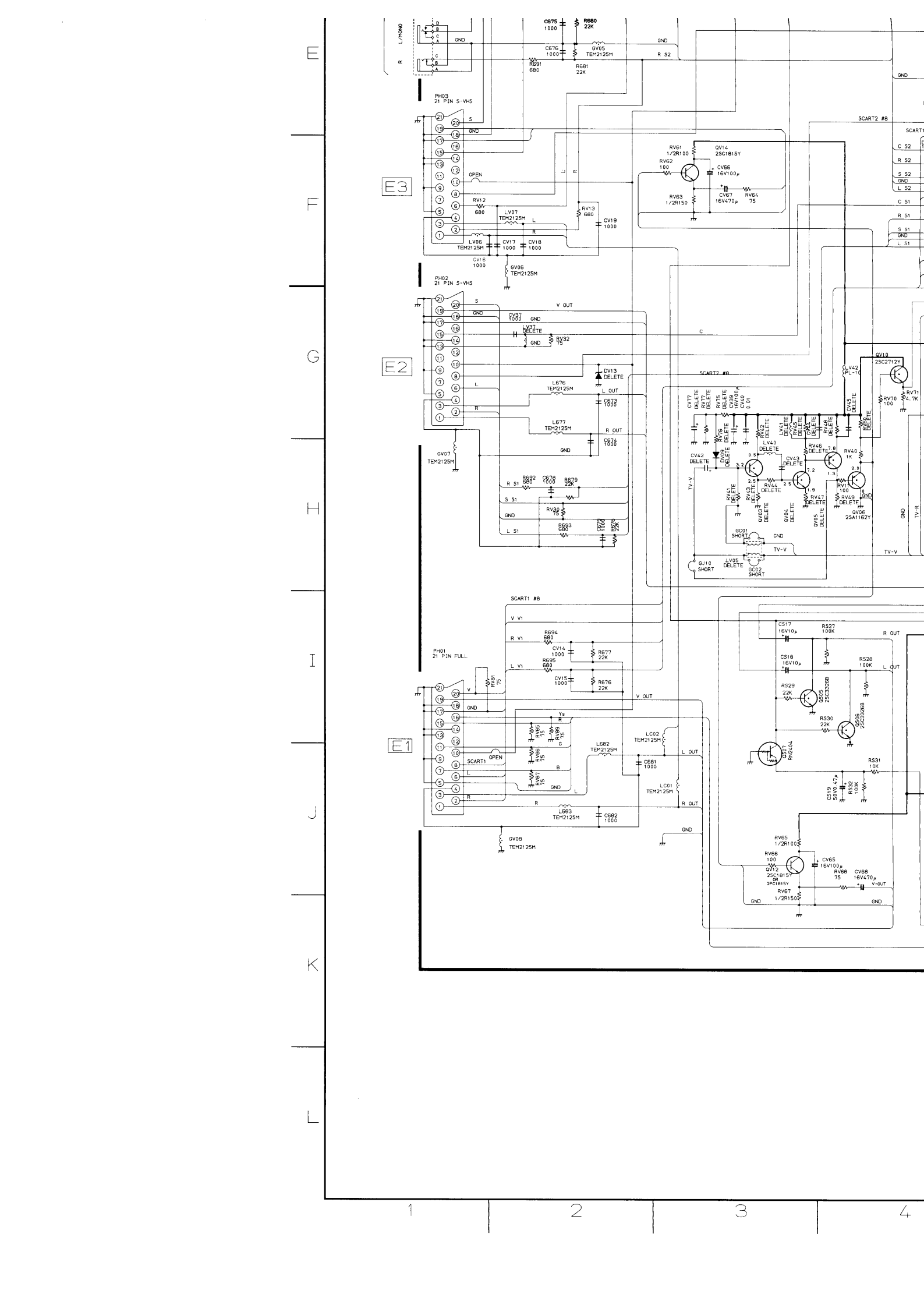
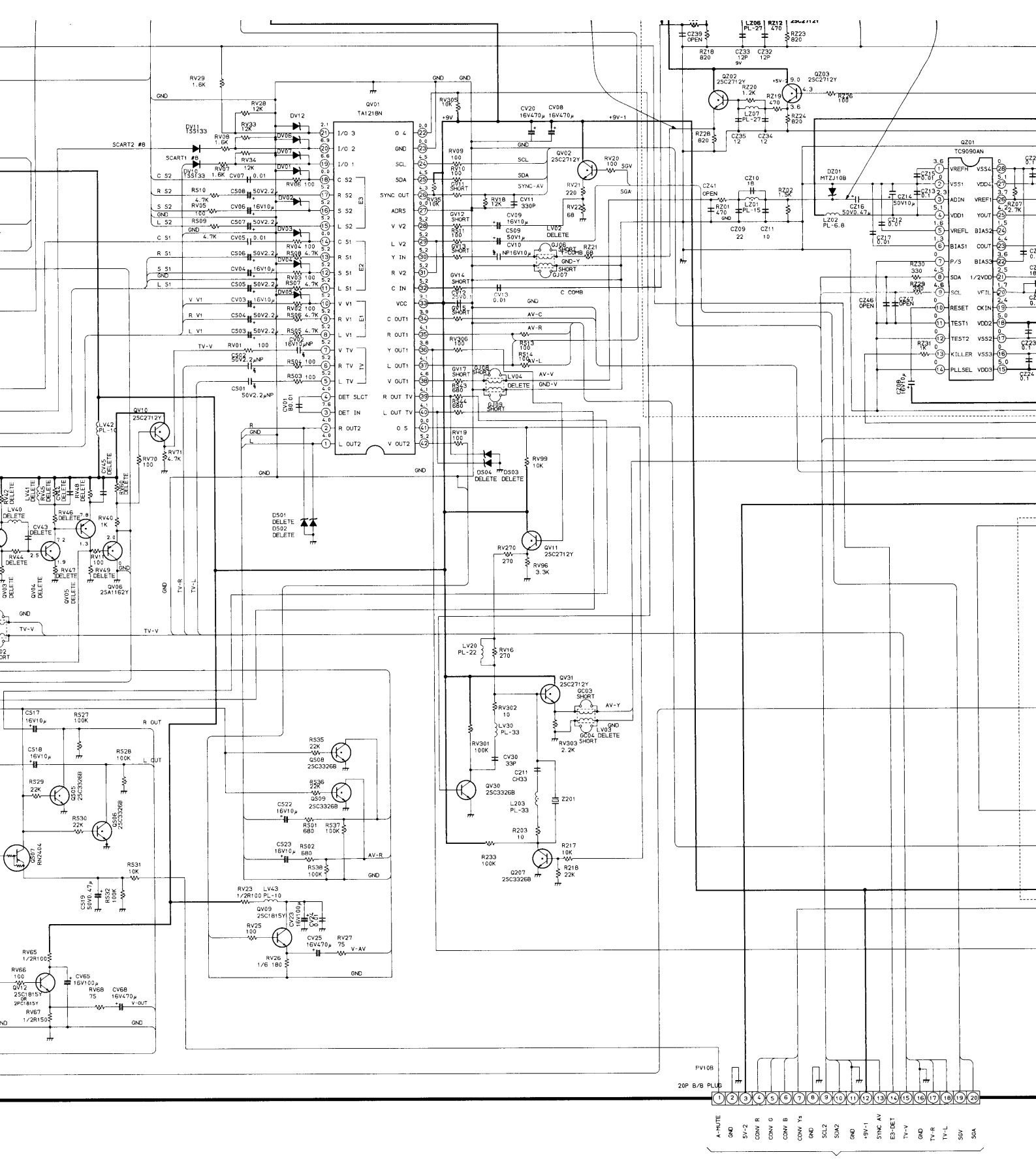
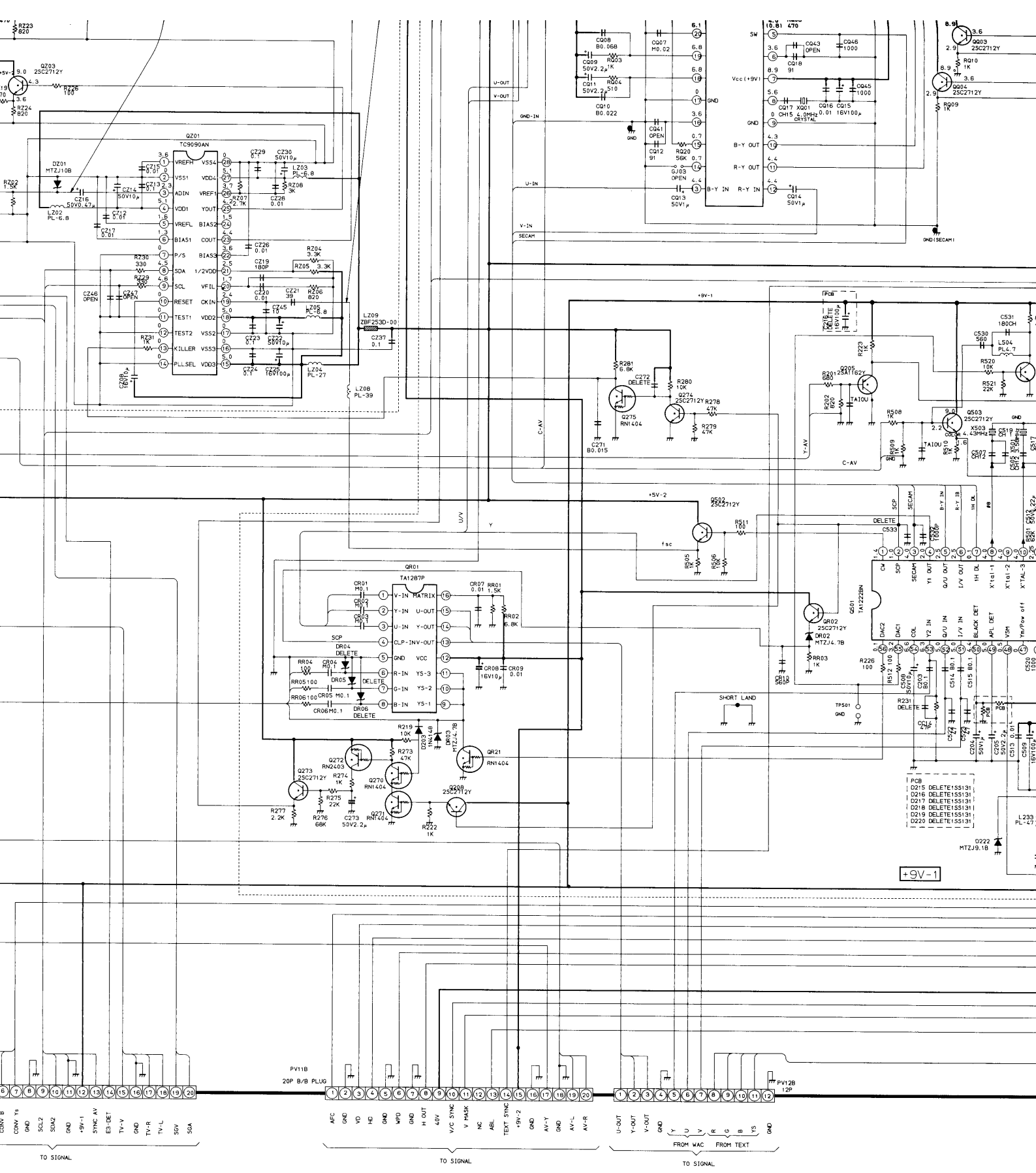
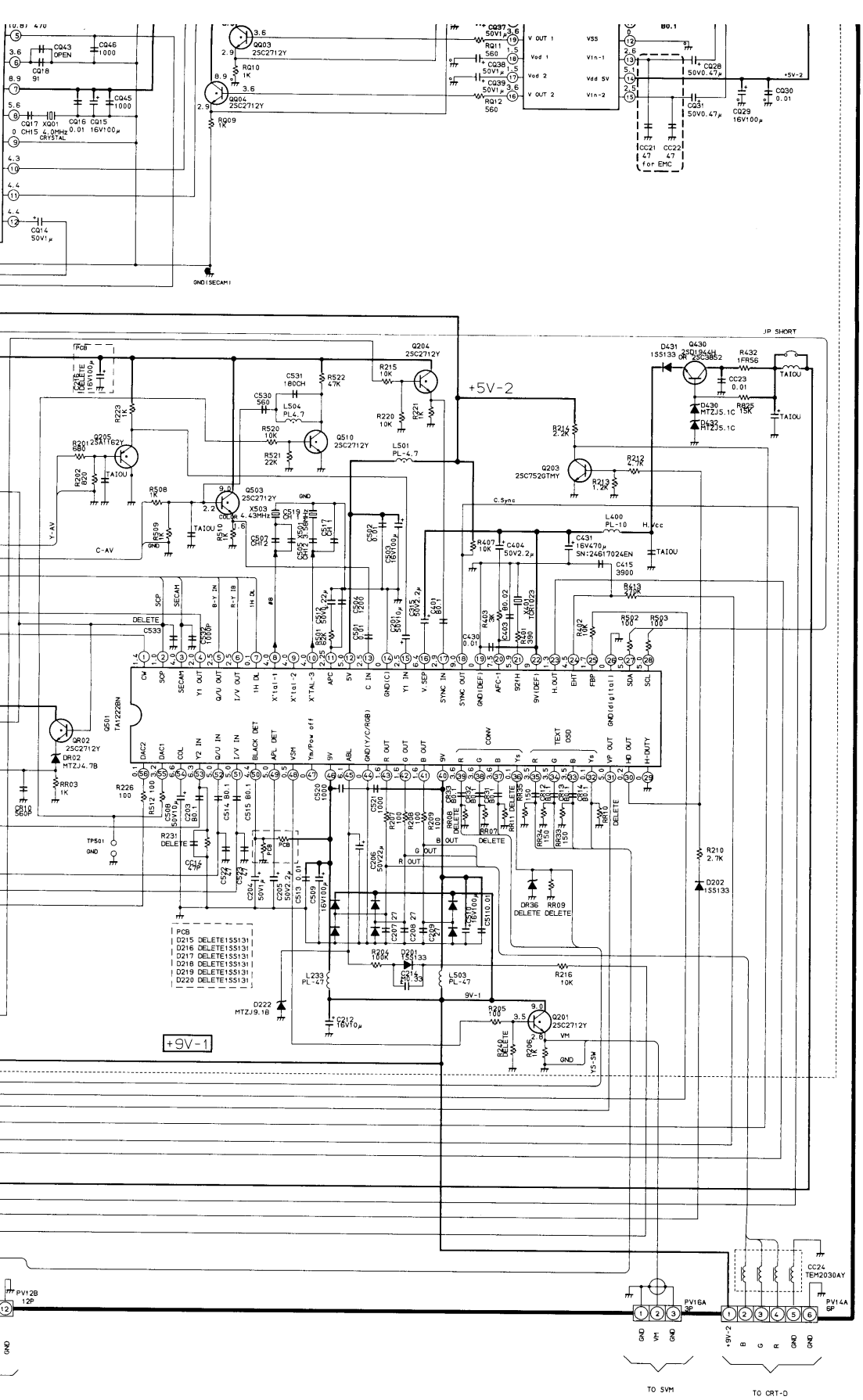



E
F
G
H
I
J
K
L
1
2
3
4
E3
E2
E1
PH03
21 PIN S-VHS
PH02
21 PIN S-VHS
PH01
21 PIN FULL
SCART2 #8
SCART1 #8
SCART1
GND
OPEN
S
V OUT
C
L OUT
R OUT
TV-V
TV-R
V V1
R V1
L V1
V OUT
R S2
C S2
R S2
S S2
L S2
C S1
R S1
S S1
L S1
R OUT
L OUT
V-OUT
CS75 1000
R680 22K
C676 1000
GV05 TEM2125M
R691 680
R681 22K
RV61 1/2R100
QV14 2SC1815Y
RV62 100
CV66 16V100μ
RV63 1/2R150
CV67 16V470μ
RV64 75
RV12 680
LV07 TEM2125M
RV13 680
CV19 1000
LV06 TEM2125M
CV17 1000
CV18 1000
CV16 1000
GV06 TEM2125M
V OUT
CV37 1000
LV02 DELETE
RV32 75
DV13 DELETE
L676 TEM2125M
C673 1000
L677 TEM2125M
C674 1000
GV07 TEM2125M
R692 680
C678 1000
R679 22K
RV30 75
R693 680
C675 1000
R680 22K
QV10 2SC2712V
LV42 DELETE
RV70 100
RV71 4.7K
CV77 DELETE
RV77 DELETE
RV75 DELETE
CV39 16V100μ
CV41 DELETE
CV45 DELETE
RV76 DELETE
DV09 DELETE
RV42 DELETE
LV41 DELETE
RV45 DELETE
RV48 DELETE
RV50 DELETE
LV40 DELETE
RV46 DELETE
RV40 1K
CV42 DELETE
CV43 DELETE
RV41 DELETE
RV43 DELETE
RV44 DELETE
RV1 100
RV47 DELETE
RV49 DELETE
QV03 DELETE
QV04 DELETE
QV05 DELETE
QV06 2SA1162Y
GC01 SHORT
GC02 SHORT
GJ10 SHORT
LV05 DELETE
R694 680
CV14 1000
R677 22K
R695 680
CV15 1000
R676 22K
RV91 75
RV89 75
RV88 75
RV87 75
RV86 75
LC02 TEM2125M
L682 TEM2125M
C681 1000
LC01 TEM2125M
L683 TEM2125M
C682 1000
GV08 TEM2125M
CS17 16V10μ
RS27 100K
CS16 16V10μ
RS28 100K
RS29 22K
Q505 2SC3326B
RS30 22K
Q506 2SC3326B
Q507 RN2404
RS31 10K
CS19 50V0.47μ
RS32 100K
RV65 1/2R100
RV66 100
QV12 2SC1815Y OR 2PC1815Y
CV65 16V100μ
RV68 75
CV68 16V470μ
RV67 1/2R150


QV01
TA1218N
I/O 3
I/O 2
I/O 1
C S2
R S2
S S2
L S2
C S1
R S1
S S1
L S1
V V1
R V1
L V1
V TV
R TV
L TV
DET SLCT
DET IN
R OUT2
L OUT2
O 4
GND
SCL
SDA
SYNC OUT
ADR5
V V2
L V2
Y IN
R V2
C IN
VCC
C OUT1
R OUT1
Y OUT1
L OUT1
V OUT1
R OUT TV
L OUT TV
O 5
V OUT2
QZ01
TC9090AN
VREFH
VSS4
VDD4
VSS1
VREFI
ADIN
YOUT
VDD1
VREFL
BIAS2
BIAS1
COUT
P/S
BIAS3
SDA
1/2VDD
SCL
VFTL
RESET
CKIN
TEST1
VDD2
TEST2
VSS2
KILLER
VSS3
PLLSEL
VDD3
QZ02 2SC2712Y
QZ03 2SC2712Y
QV02 2SC2712Y
QV10 2SC2712Y
QV11 2SC2712Y
QV31 2SC2712Y
QV06 2SA1162Y
QV09 2SC1815Y
QV12 2SC1815Y OR 2PC1815Y
QV30 2SC3326B
Q207 2SC3326B
Q508 2SC3326B
Q509 2SC3326B
Q505 2SC3326B
Q506 2SC3326B
Q507 RN2404
DZ01 MTZJ10B
LZ02 PL-6.8
SCART1 #8
SCART2 #8
GND
+9V
+9V-1
+5V
SGA
SGV
SYNC-AV
C COMB
AV-C
AV-R
AV-L
AV-V
AV-Y
GND-Y
GND-V
TV-V
TV-R
TV-L
V-AV
V-OUT
R OUT
L OUT
AV-R
PV10B
20P B/B PLUG
A-MUTE
GND
5V-2
CONV R
CONV G
CONV B
CONV Ys
GND
SCL2
SDA2
GND
+9V-1
SYNC AV
E3-DET
TV-V
GND
TV-R
TV-L
SGV
SGA
TO SIGNAL



40PW8DB 56PW8DB
40PW8DG 56PW8DG



40PW8DB 56PW8DB
40PW8DG 56PW8DG

AV
40PW8DG 2/6
PK2628

E F G H I J K L

12 13 14 15 16

SCHEMATIC DIAGRAM **MODEL : 40PW8DG (3/6)**
40PW8DB

030-9802

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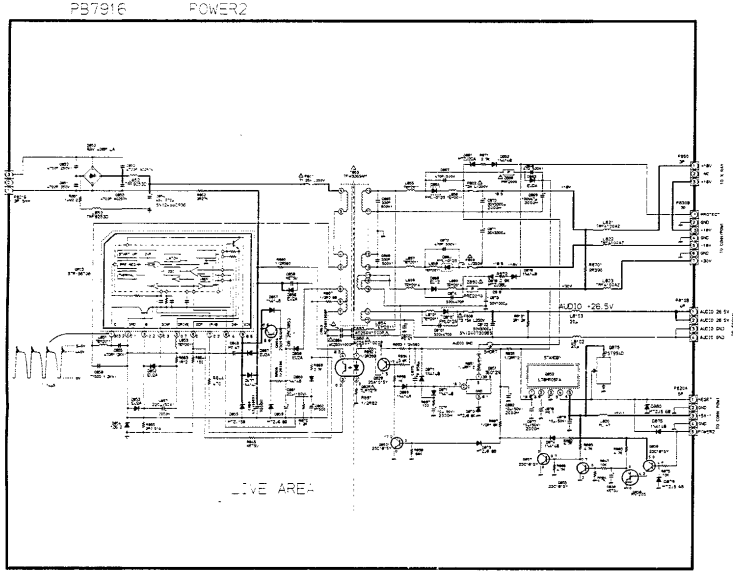
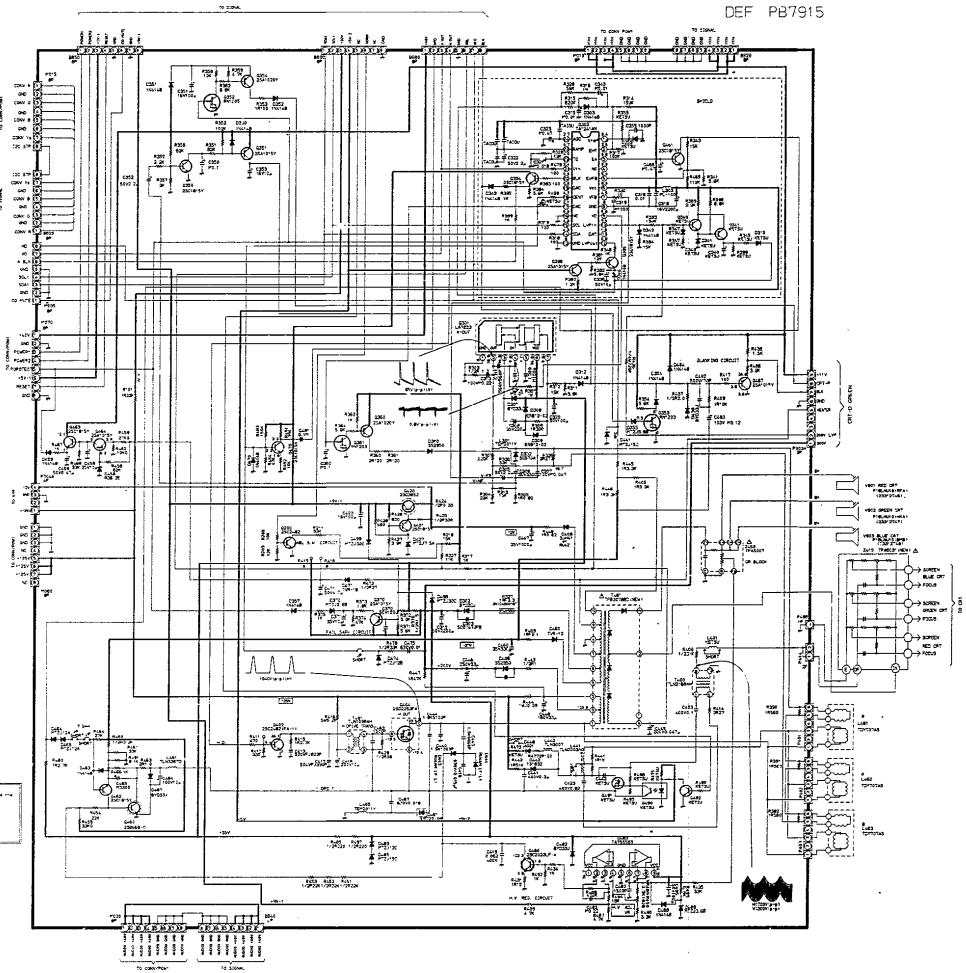
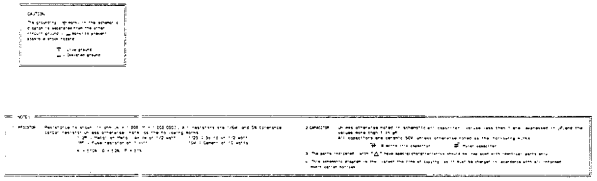
PB7916 POWER2

DEF PB7915







POWER2 DEF
40PW8DG 3/6
PK2629

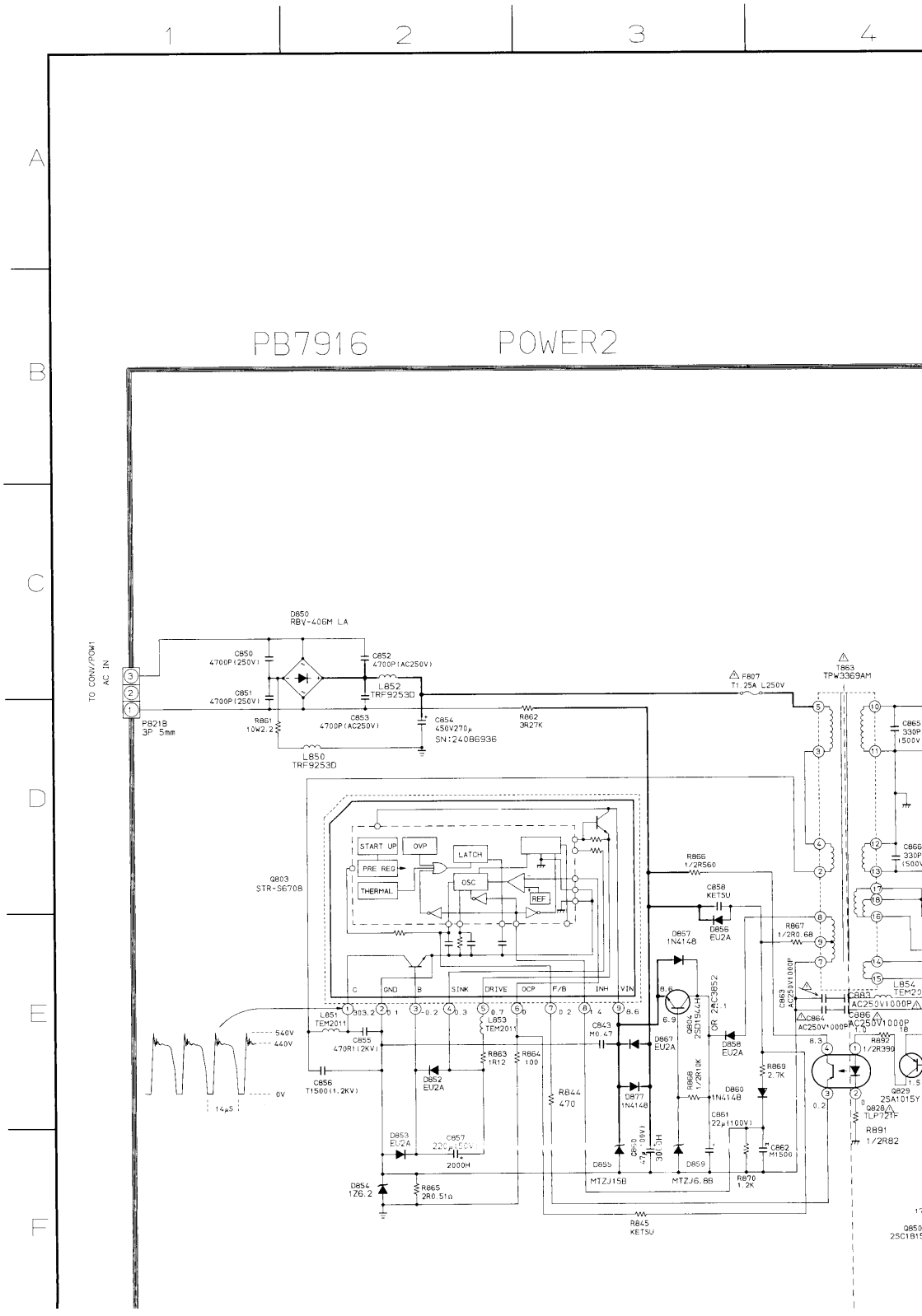
SCHEMATIC DIAGRAM MODEL : 40PW8DG (3/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATIO

1. Voltages re volts, colou
2. All wavefor
3. Waveforms
4. Make sure BRIGHTNES picture.



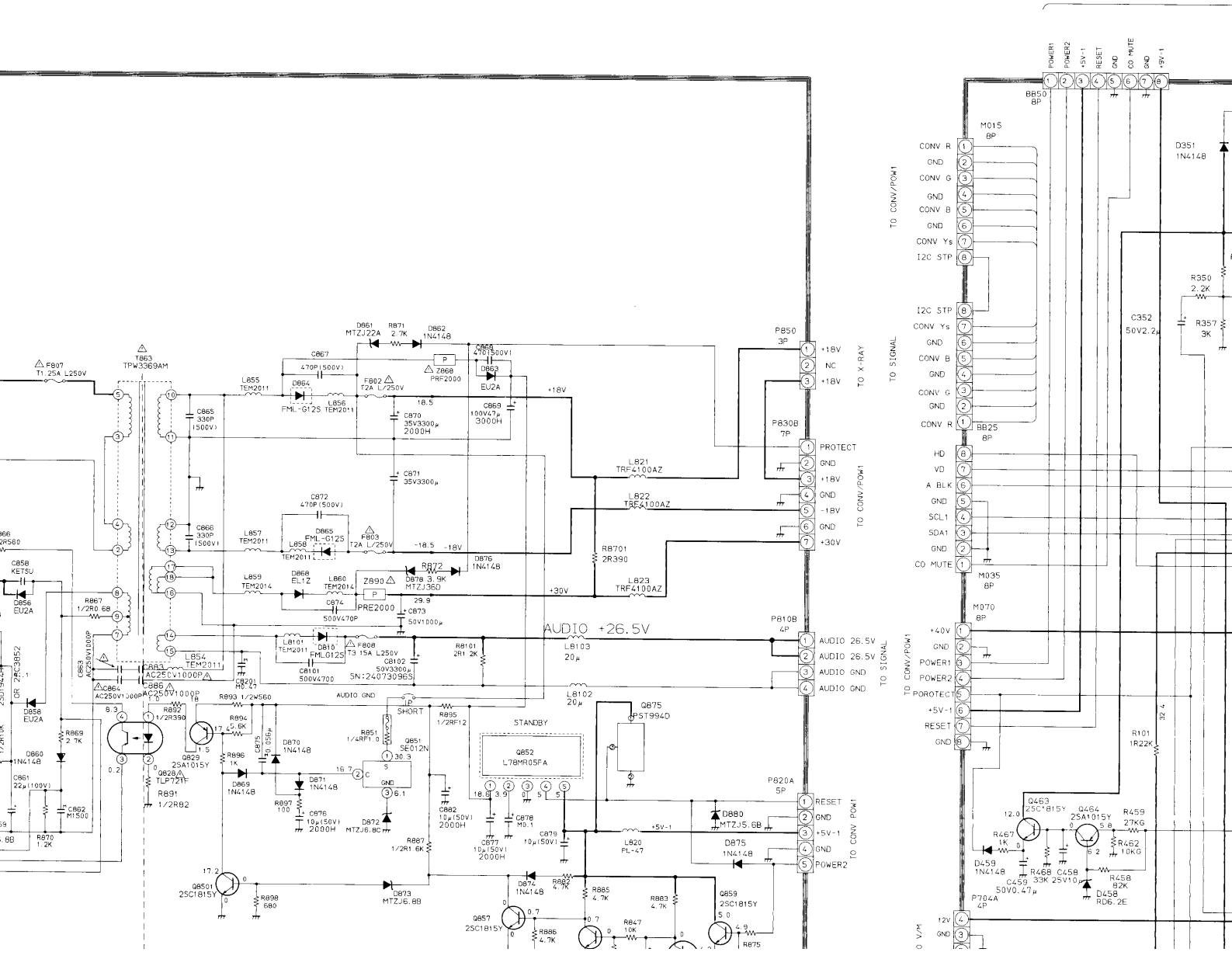
OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a pr
   gram. These are measured fo
2. The circuits are subject to ch
3. ⬬ : Solder links.

4 5 6 7 8



NOTES:

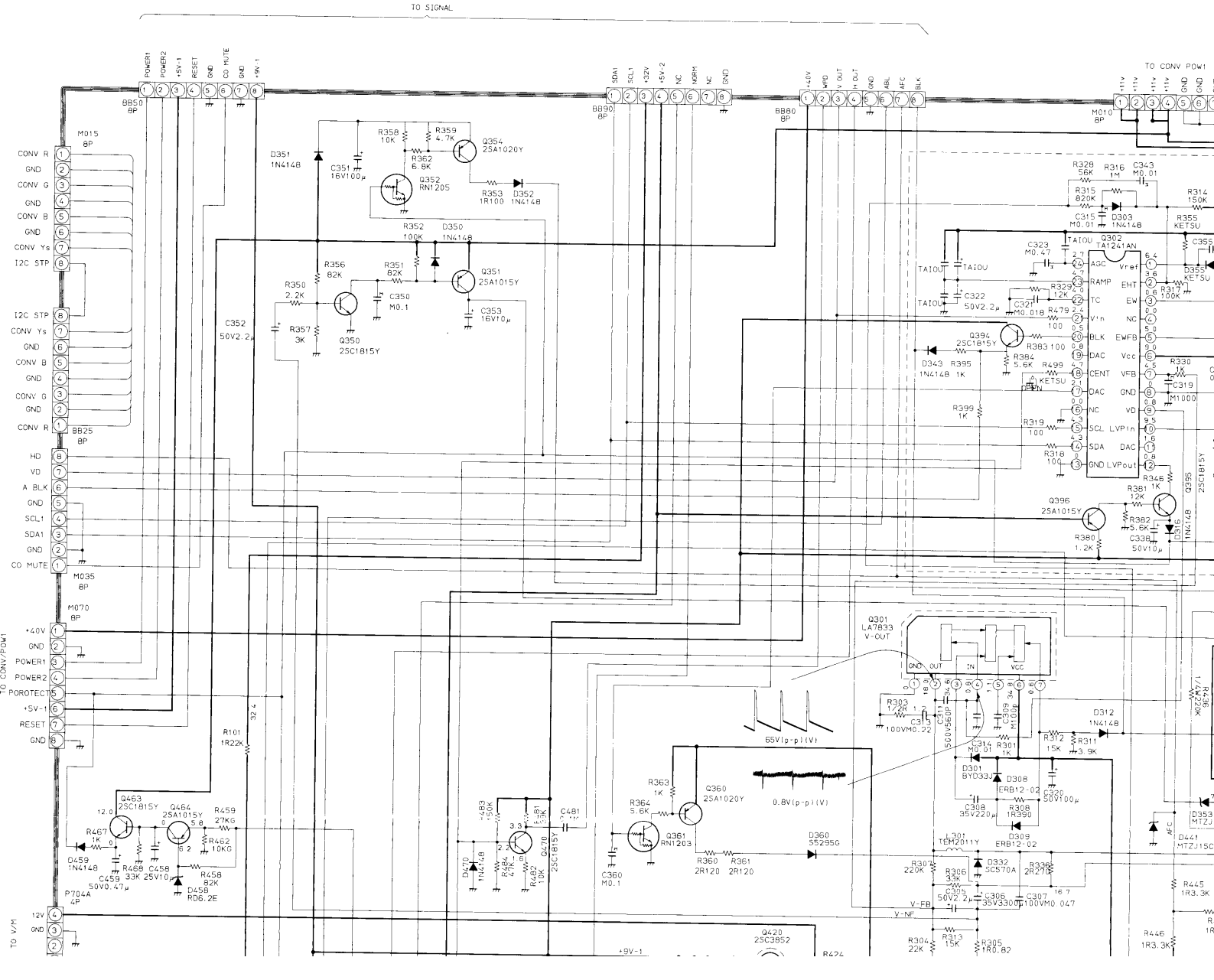
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACIT

1. Resistance is shown in ohm, k=1,0
2. Unless other wise noted in schem
   sed in μF and the values more thar
3. Unless otherwise noted in schema
   sed in μH, and the values less than

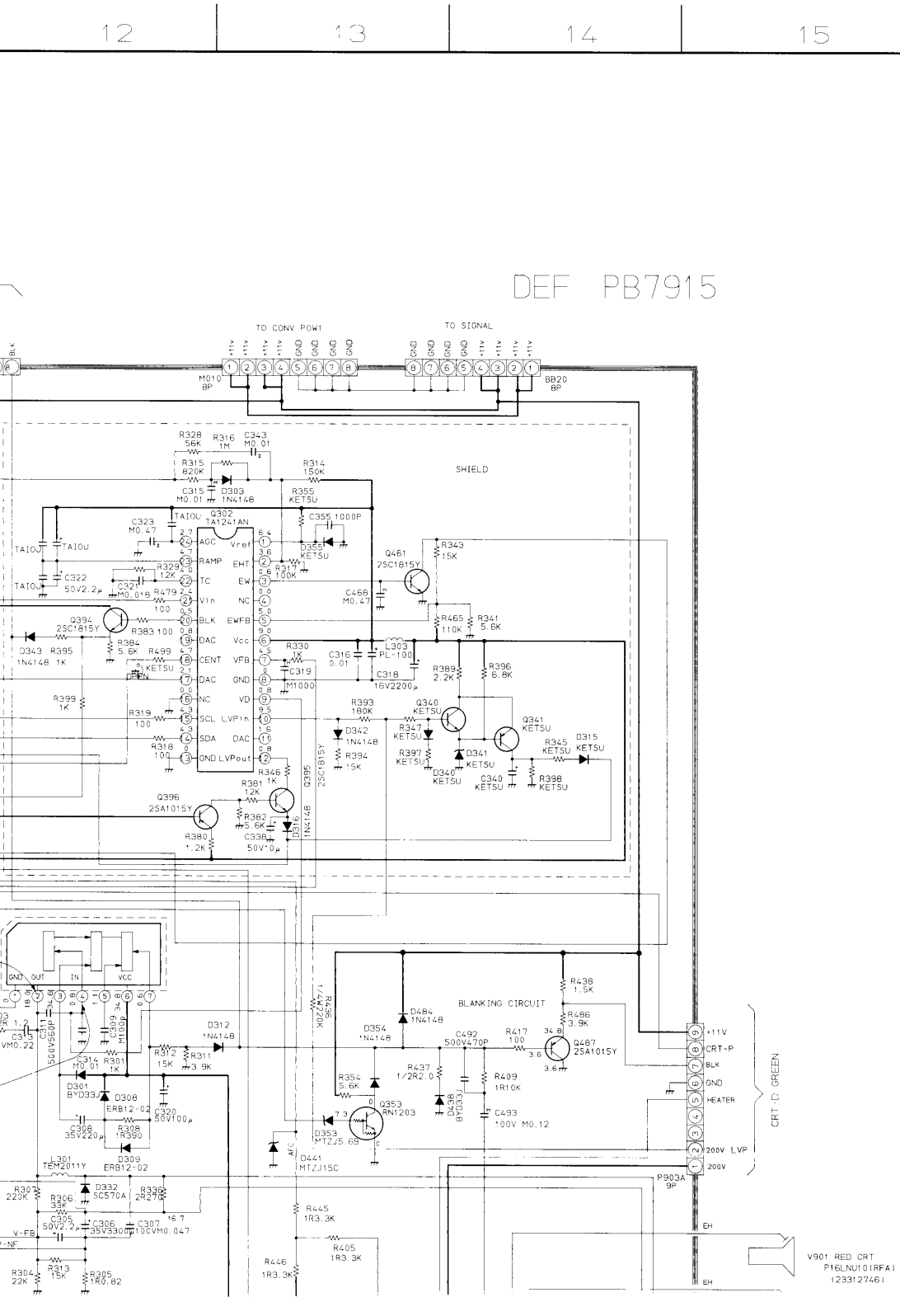
8 9 10 11 12

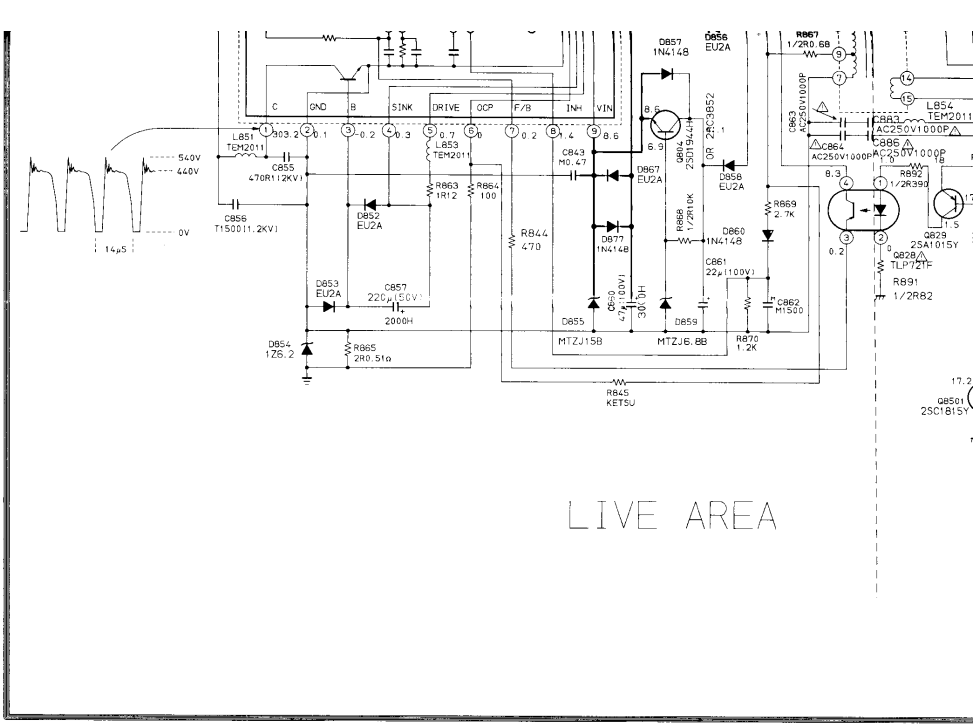


EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.





CAUTION

The grounding (⏚ mark) in the schematic diagram is separated from the other circuit ground (⏚ mark) to prevent possible shock hazard.

⏚ : Live ground

⏚ : Isolated ground

NOTE:

1. RESISTOR Resistance is shown in ohm (k = 1,000, M = 1,000,000). All resistors are carbon resistor, unless otherwise noted as the following marks.

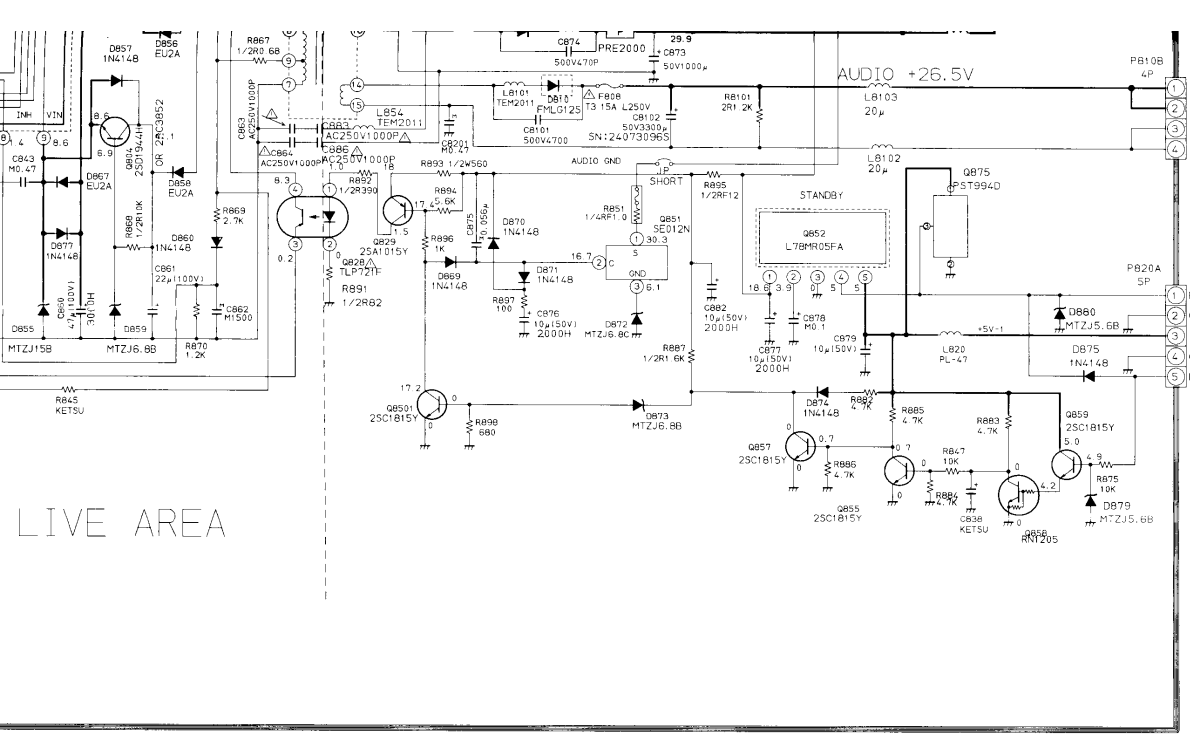
1/2R : Metal or Metal oxide of 1/2 watt 1/2S : Solid

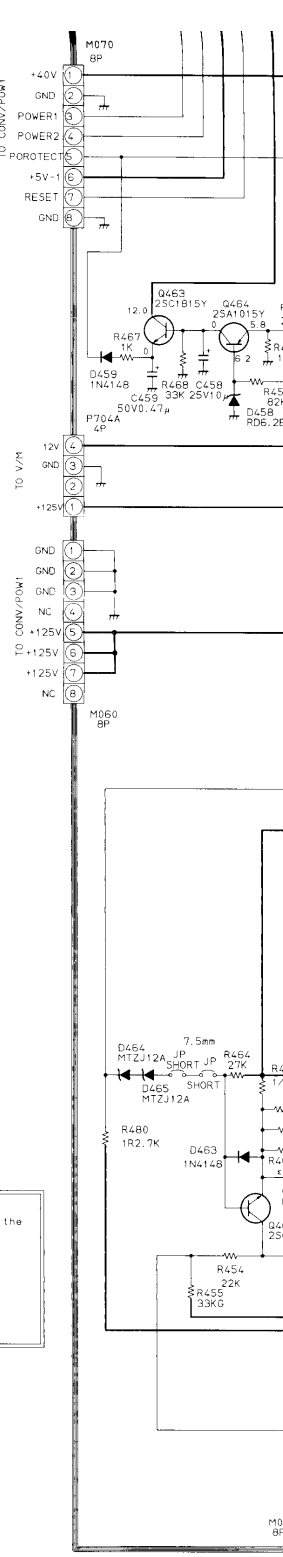
1RF : Fuse resistor of 1 watt 10W : Cement

K = ±10% G = ±2% F = ±1%

E F G H I J K L

1 2 3 4





(⏚ mark) In the schematic
eparated from the other
d (⏚ mark) to prevent
k hazard.

⏚ : Live ground
⏚ : Isolated ground

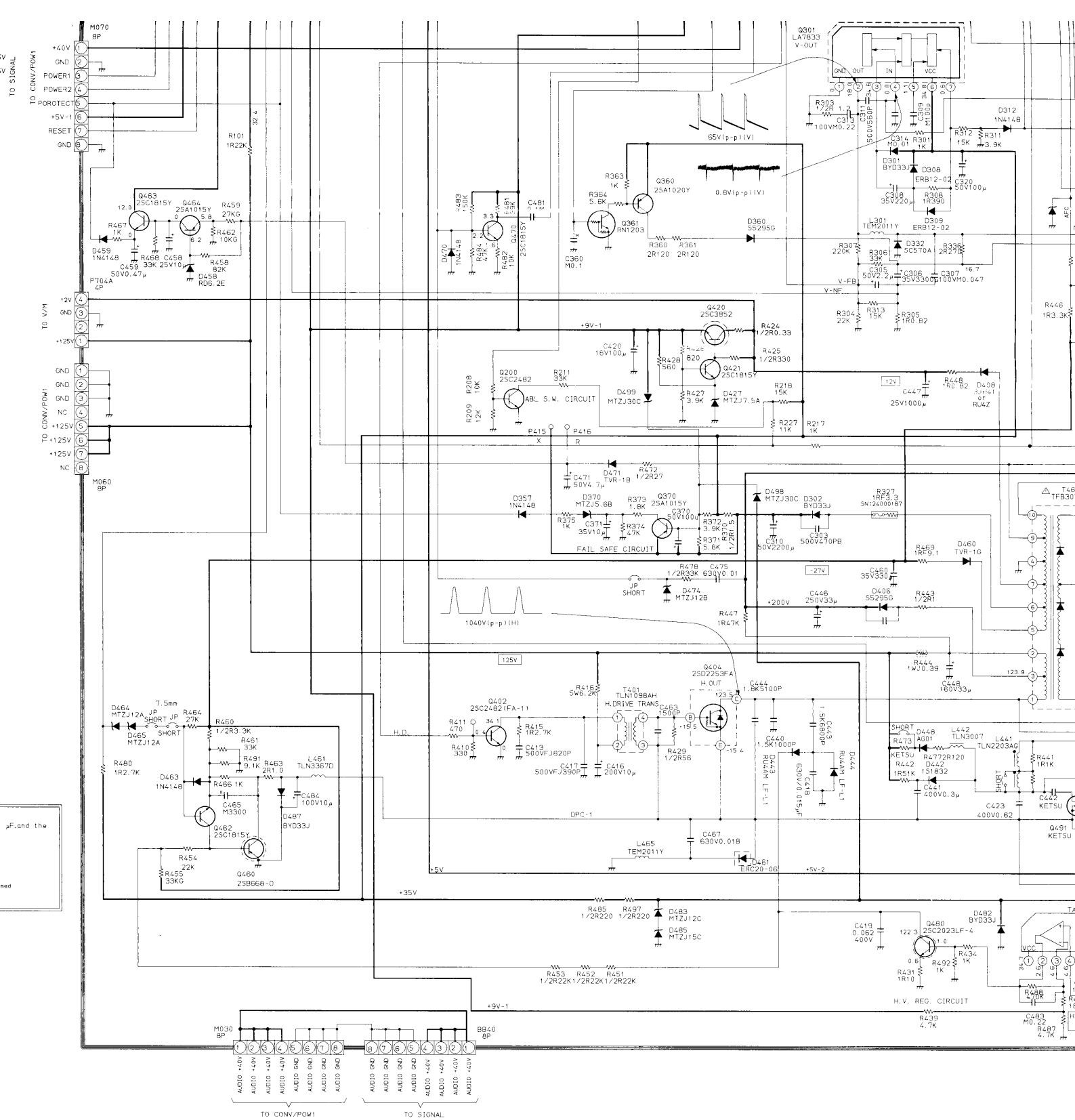
stance is shown in ohm [k = 1,000, M = 1,000,000]. All resistors are 1/6W and 5% tolerance
on resistor,unless otherwise noted as the following marks.
1/2R : Metal or Metal oxide of 1/2 watt
1RF : Fuse resistor of 1 watt
1/2S : Solid of 1/2 watt
10W : Cement of 10 watts

K = ±10% G = ±2% F = ±1%

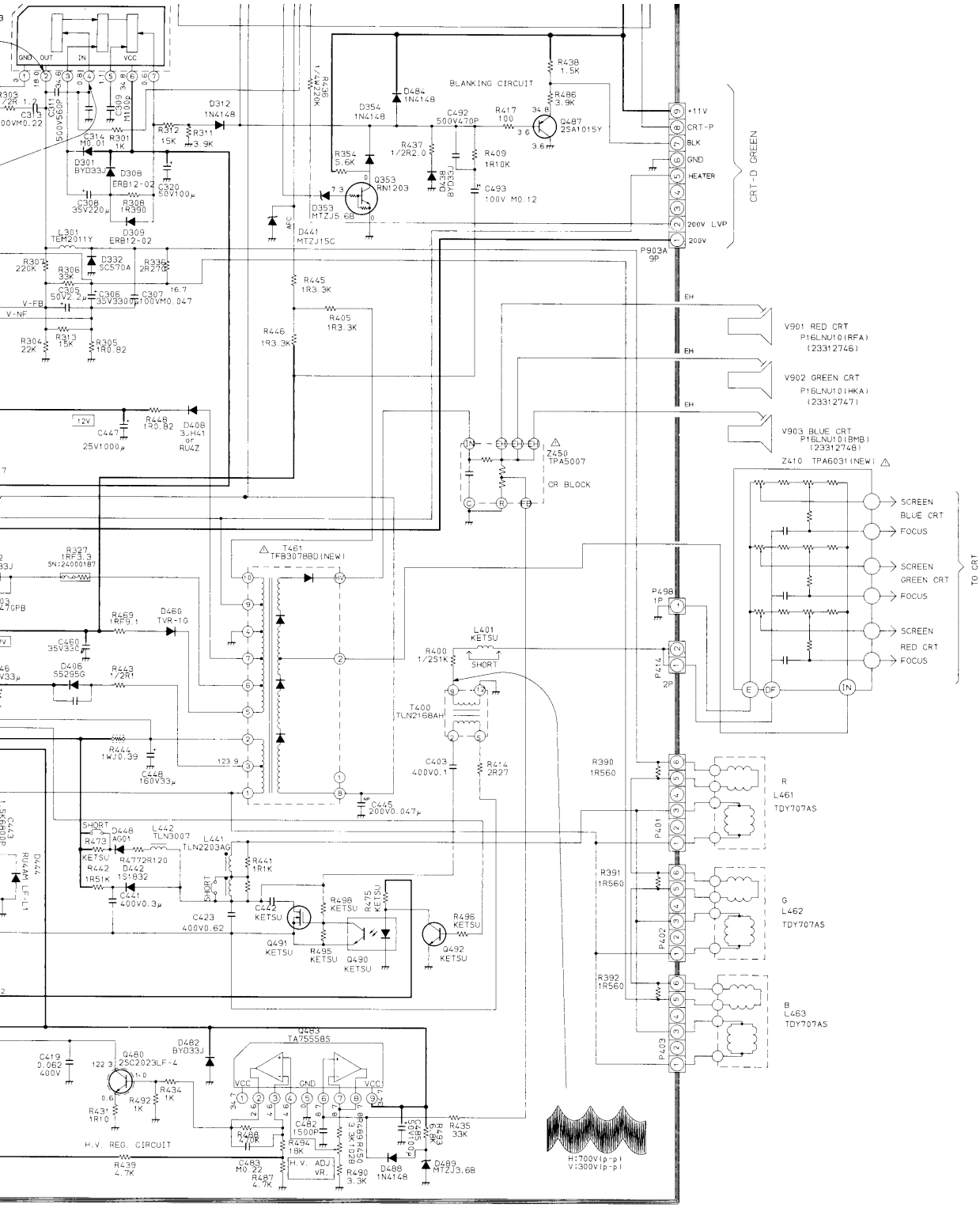
2.CAPACITOR Unless otherwise noted in schematic,all capacitor valuse less than 1 are expressed in μF,and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.
⊣⊢ Electrolitic capacitor ⊣⊢ Mylar capacitor

3. The parts indicated with "△" have specialcharacteristics should be replaced with identical parts only.

4. This schematic diagram is the latest the time of copying, so it must be changet in acordance with ais informed modification notices.


M070 8P
+40V
GND
POWER1
POWER2
POROTECT
+5V-1
RESET
GND
TO CONV/POW1
TO SIGNAL
R101 1R22K
Q463 2SC1815Y
Q464 2SA1015Y
R459 27KG
R462 10KG
R458 82K
D458 RD6.2E
D459 1N4148
R468 C458 C459 .33K 25V10μ
C459 .33K 50V0.47μ
P704A 4P
TO V/M
12V
GND
+125V
TO CONV/POW1
GND
GND
GND
NC
+125V
+125V
+125V
NC
M060 8P
Q301 LA7833 V-OUT
GND OUT IN VCC
R303 1/2R2
C313 100VM0.22
C311 560V560P
C309 50V100μ
D312 1N4148
R312 15K
R311 3.9K
C314 M0.01
R301 1K
D301 BYD33J
D308 ERB12-02
C320 50V100μ
C308 35V220μ
R308 1R390
D309 ERB12-02
L301 TEM2011Y
D332 SC570A
R307 220K
R306 33K
R336 2R27
C305 50V2.2μ
C306 35V3300μ
C307 100VM0.047
16.7
V-FB
V-NF
R304 22K
R313 15K
R305 1R0.82
R446 1R3.3K
65V(p-p)(V)
0.8V(p-p)(V)
R363 1K
Q360 2SA1020Y
R364 5.6K
Q361 RN1203
R360 2R120
R361 2R120
C360 M0.1
D360 SS295G
R483 4.7K
C481
R484 47K
R482 10K
Q470 2SC1815Y
D470 1N4148
+9V-1
Q420 2SC3852
R424 1/2R0.33
R425 1/2R330
C420 16V100μ
R428 560
R426 820
Q421 2SC1815Y
R208 10K
R209 12K
Q200 2SC2482
R211 33K
ABL S.W. CIRCUIT
D499 MTZJ30C
R427 3.9K
D427 MTZJ7.5A
R218 15K
R227 11K
R217 1K
12V
C447 25V1000μ
R448 1R0.82
D408 RU4Z
P415
P416
X
R
C471 50V4.7μ
D471 TVR-1B
R472 1/2R27
D357 1N4148
D370 MTZJ5.6B
R373 1.8K
Q370 2SA1015Y
C370 50V100μ
R372 3.9K
R371 5.6K
R370 1/2R15
R375 1K
C371 35V10μ
R374 47K
FAIL SAFE CIRCUIT
D498 MTZJ30C
D302 BYD33J
C310 50V2200μ
C303 500V470PB
R327 1RF3.3 SN:24000187
T46 TFB30
R469 1RF9.1
D460 TVR-1G
-27V
C460 35V330μ
D406 SS295G
R443 1/2R1
+200V
C446 250V33μ
R447 1R47K
R478 1/2R33K
C475 630V0.01
JP SHORT
D474 MTZJ12B
1040V(p-p)(H)
125V
R444 1WJ0.39
C448 160V33μ
123.9
Q404 2SD2253FA H.OUT
C444 1.8K5100P
R416 5W6.2K
T401 TLN1098AH H.DRIVE TRANS
C463 1500P
Q402 2SC2482(FA-11)
R411 470
R410 330
R415 1R2.7K
C413 500VFJ820P
C417 500VFJ390P
C416 200V10μ
R429 1/2R56
C440 1.5K1000P
C443 1.5K6800P
D443 RU4AM LF-L1
D444 RU4AH LF-L1
C418 630V0.015μF
H.D.
DPC-1
SHORT
D448 A001
R473
KETSU
R442
D442 151832
L442 TLN3007
L441 TLN2203AG
R4772R120
C441 400V0.3μ
C423 400V0.62
R441 1R1K
C422 KETSU
Q491 KETSU
D464 MTZJ12A
7.5mm
JP SHORT
JP SHORT
D465 MTZJ12A
R464 27K
R460 1/2R3.3K
R461 33K
R491 9.1K
R463 2R1.0
L461 TLN3367D
R480 1R2.7K
D463 1N4148
R466 1K
C465 M3300
C484 100V10μ
D487 BYD33J
Q462 2SC1815Y
R454 22K
R455 33KG
Q460 2SB668-0
L465 TEM2011Y
C467 630V0.018
D481 ERC20-06
+5V
+5V-2
+35V
R485 1/2R220
R497 1/2R220
D483 MTZJ12C
D485 MTZJ15C
R453 1/2R22K
R452 1/2R22K
R451 1/2R22K
C419 0.062 400V
Q480 2SC2023LF-4
R492 1K
R434 1K
R431 1R10
D482 BYD33J
H.V. REG. CIRCUIT
R439 4.7K
C483 M0.22
R487 4.7K
R488 4.7K
M030 8P
B840 8P
AUDIO +40V
AUDIO GND
TO CONV/POW1
TO SIGNAL

8	9	10	11	12



POWER2 DEF
40PW8DG 3/6
PK2629

SCHEMATIC DIAGRAM

MODEL : 40PW8DG (4/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the *PRODUCT SAFETY NOTICE* on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground. line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

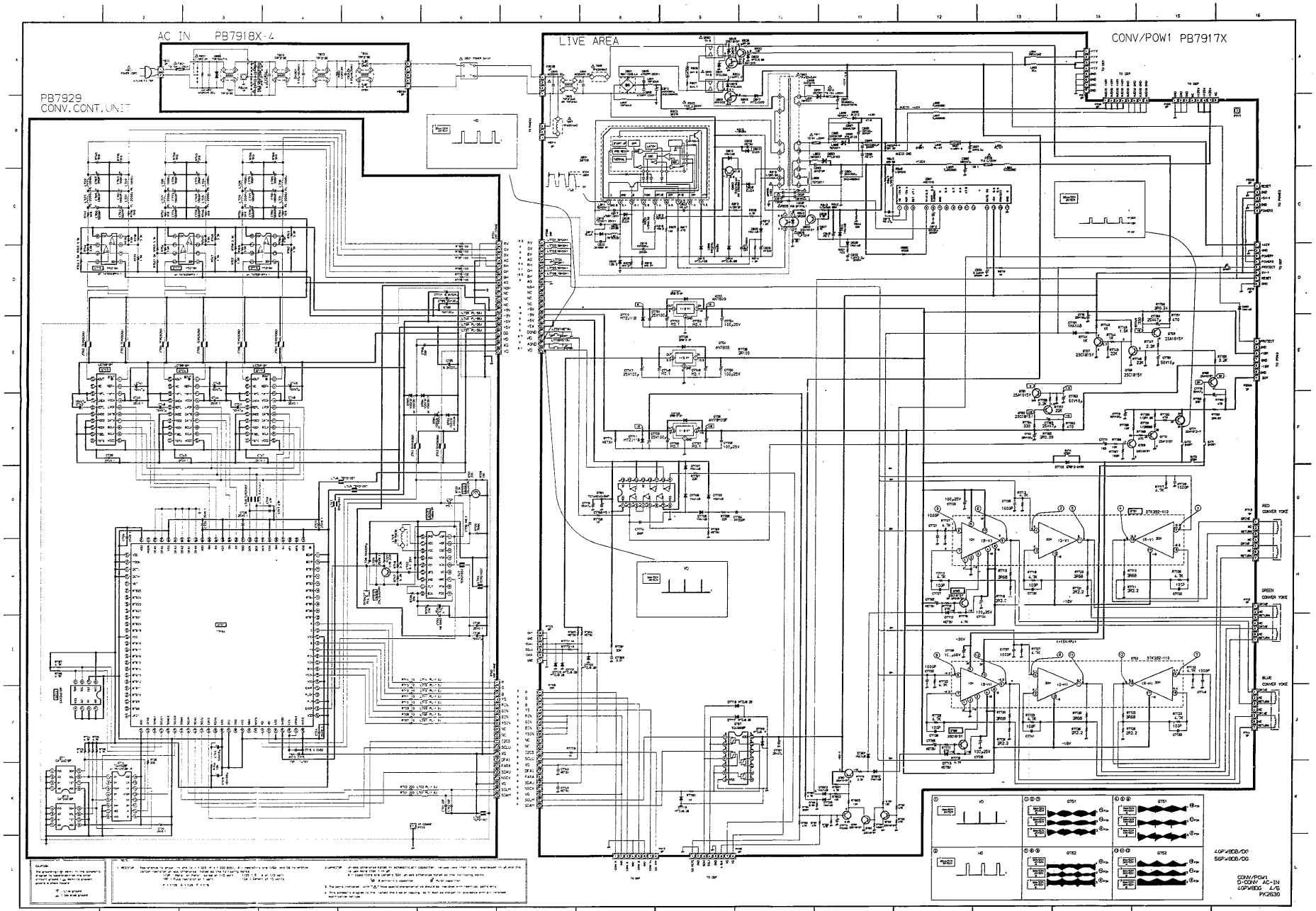
NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.



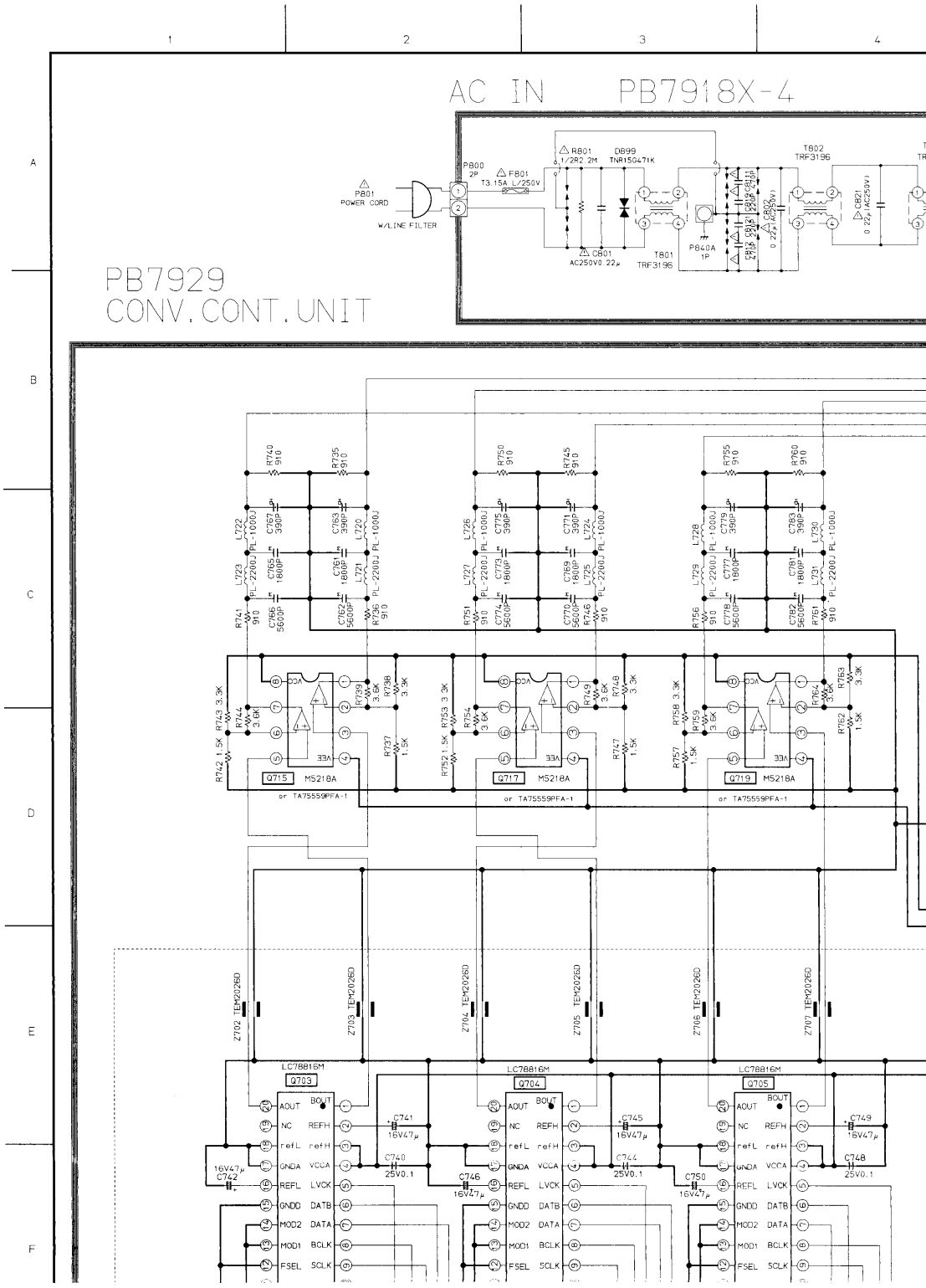
SCHEMATIC DIAGRAM MODEL : 40PW8DG (4/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATIO

1. Voltages r volts, colo
2. All wavefo
3. Waveform
4. Make sur BRIGHTNE picture.



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NOTES:

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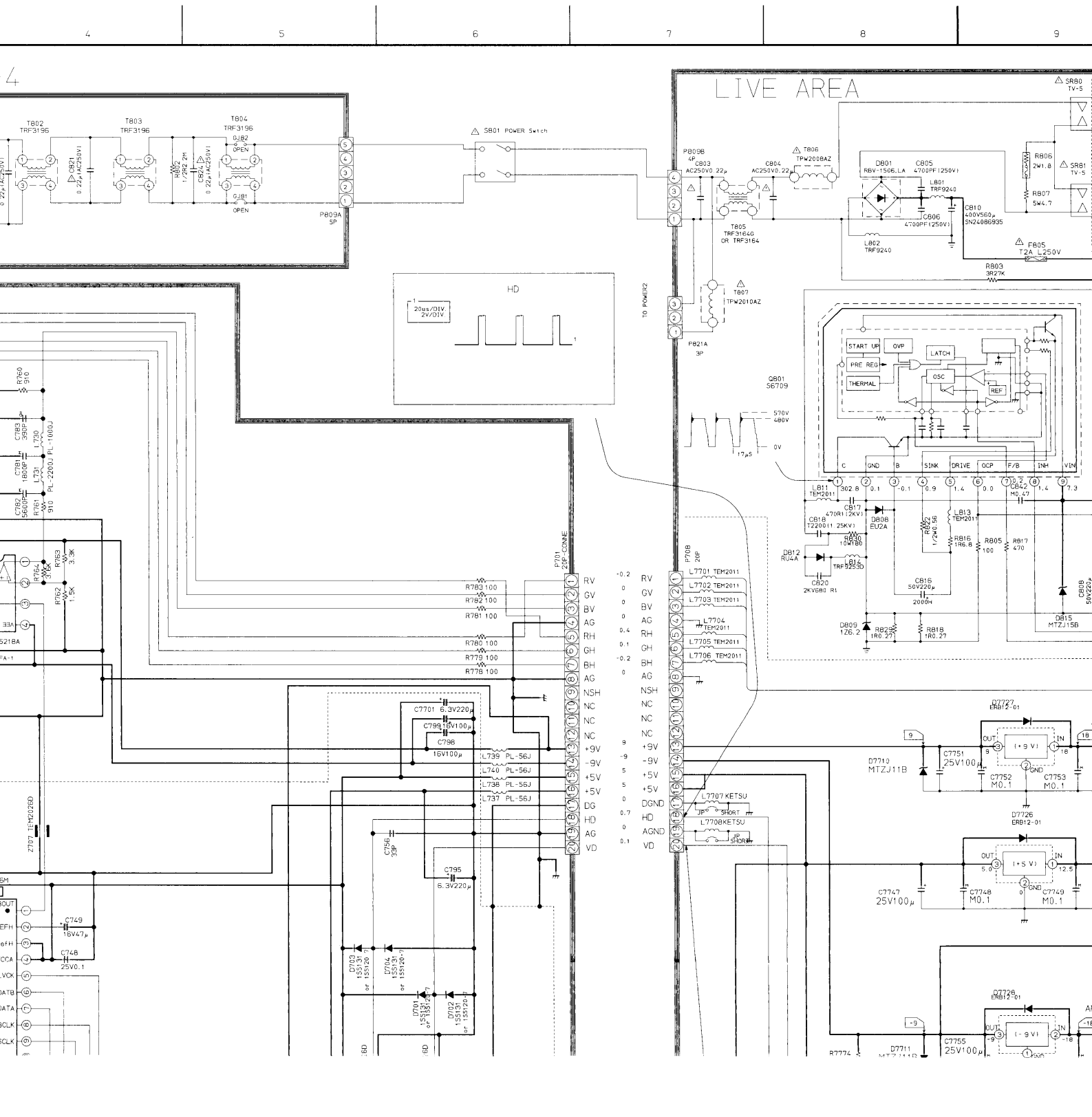
   gram. These are measured for separate
2. The circuits are subject to change with
3. ● : Solder links.



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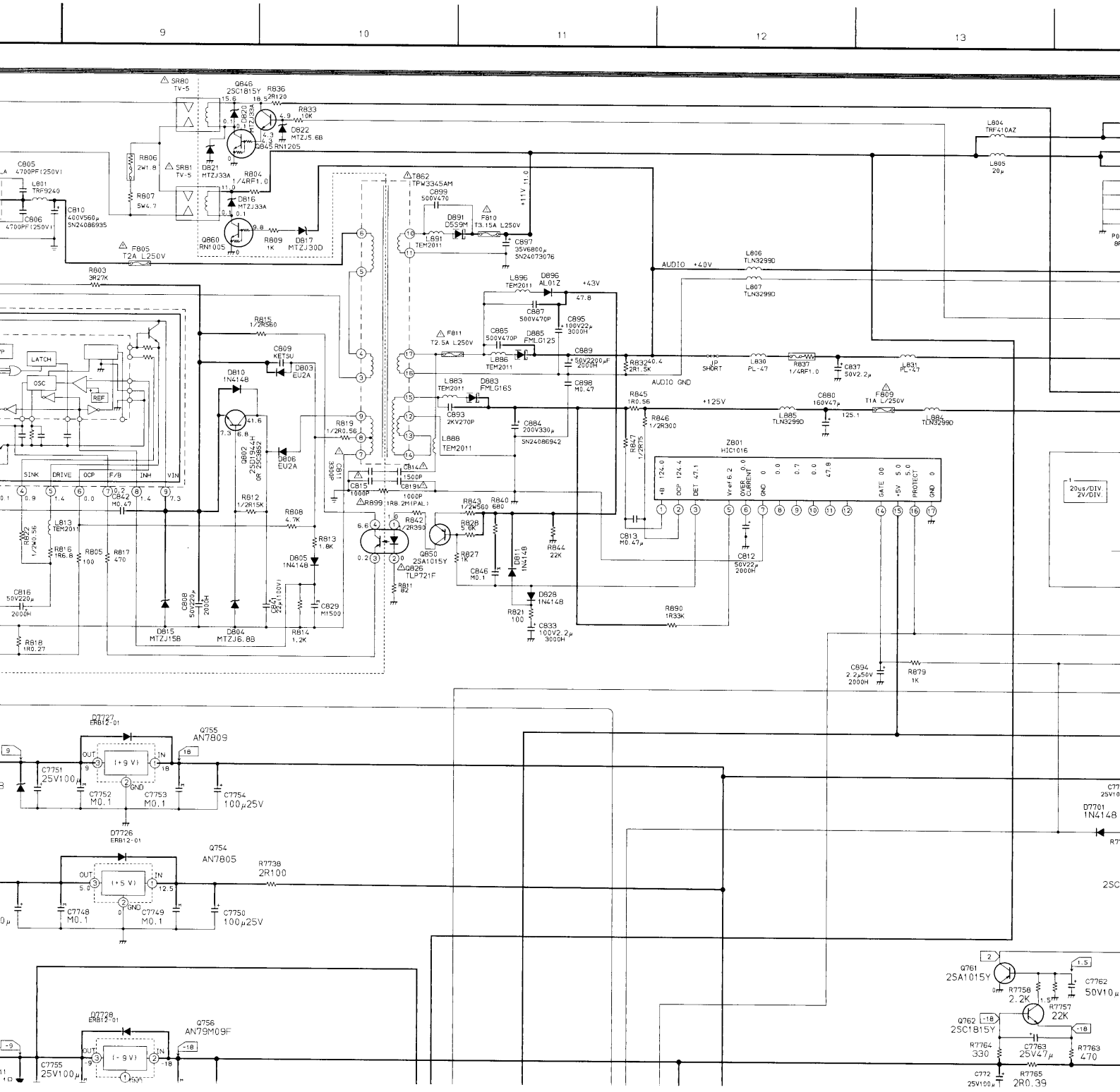

RESSION

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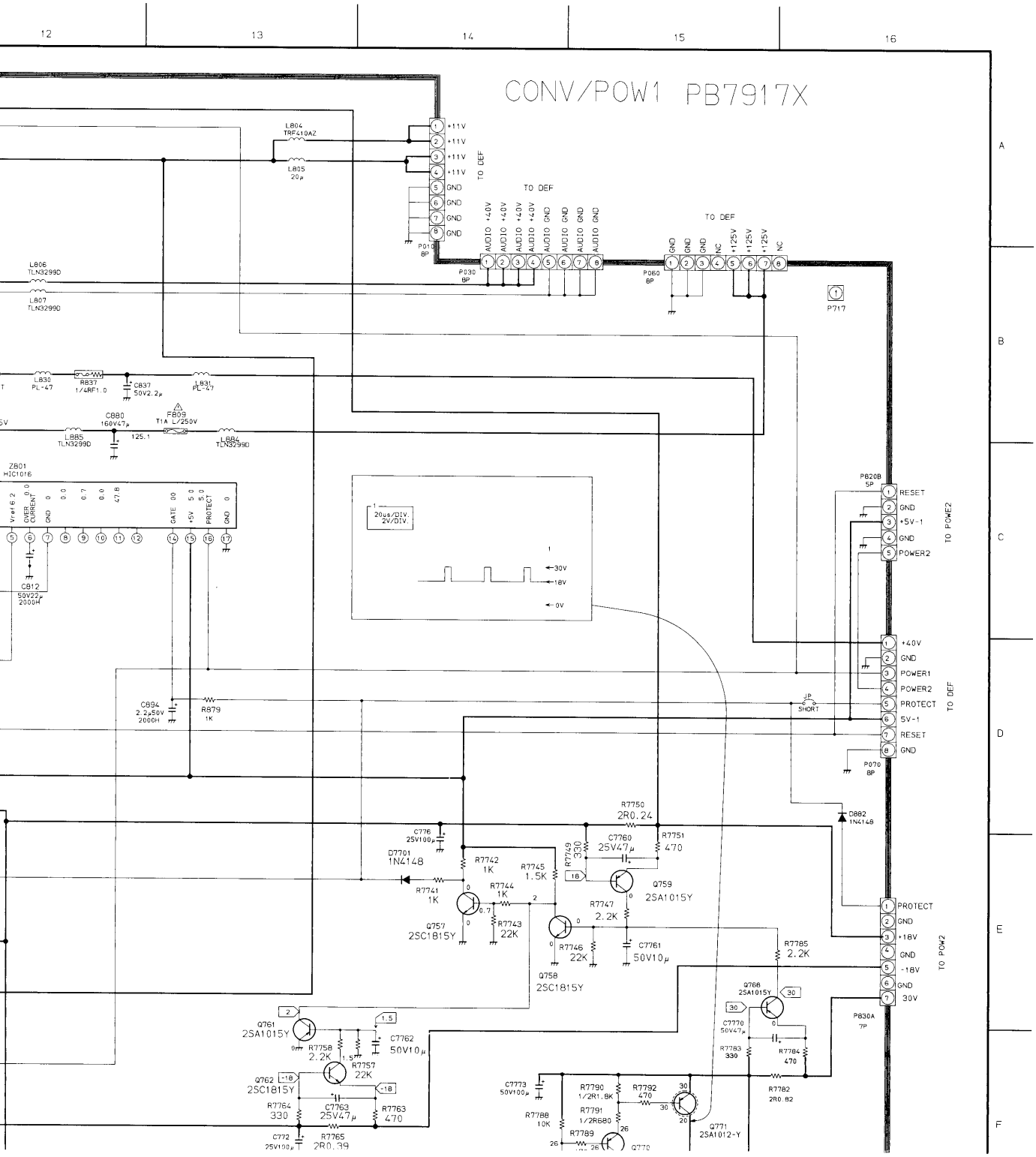
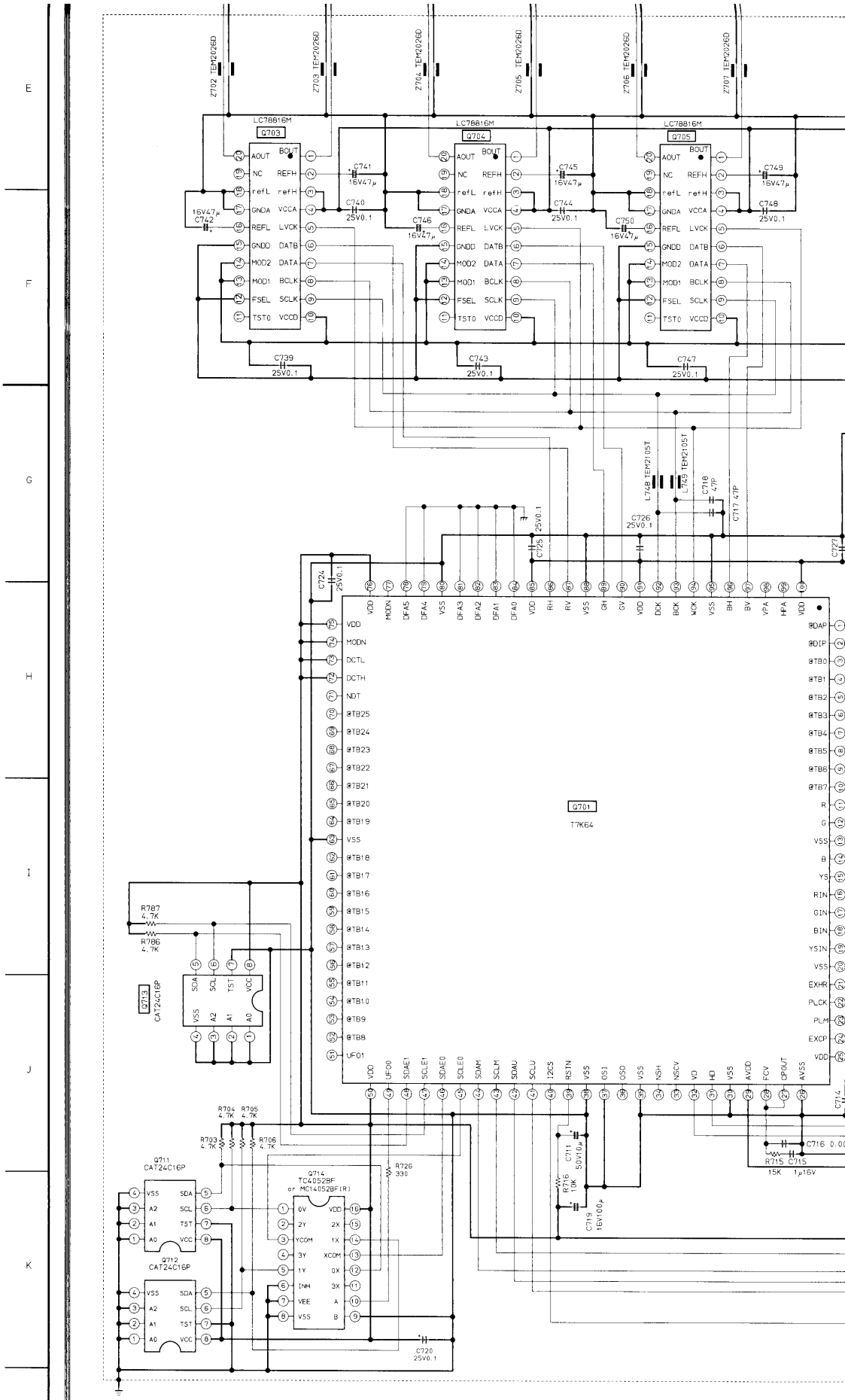
less other wise noted in schematic, all capacitor values less than 1 are expres-
d in μF and the values more than 1 in pF.
less otherwise noted in schematic, all inductor values more than 1 are expres-
d in μH, and the values less than 1 in H.





CAUTION

The grounding (⏚ mark) in the schematic diagram is separated from the other circuit ground (⏚ mark) to prevent possible shock hazard.

⏚ : Live ground

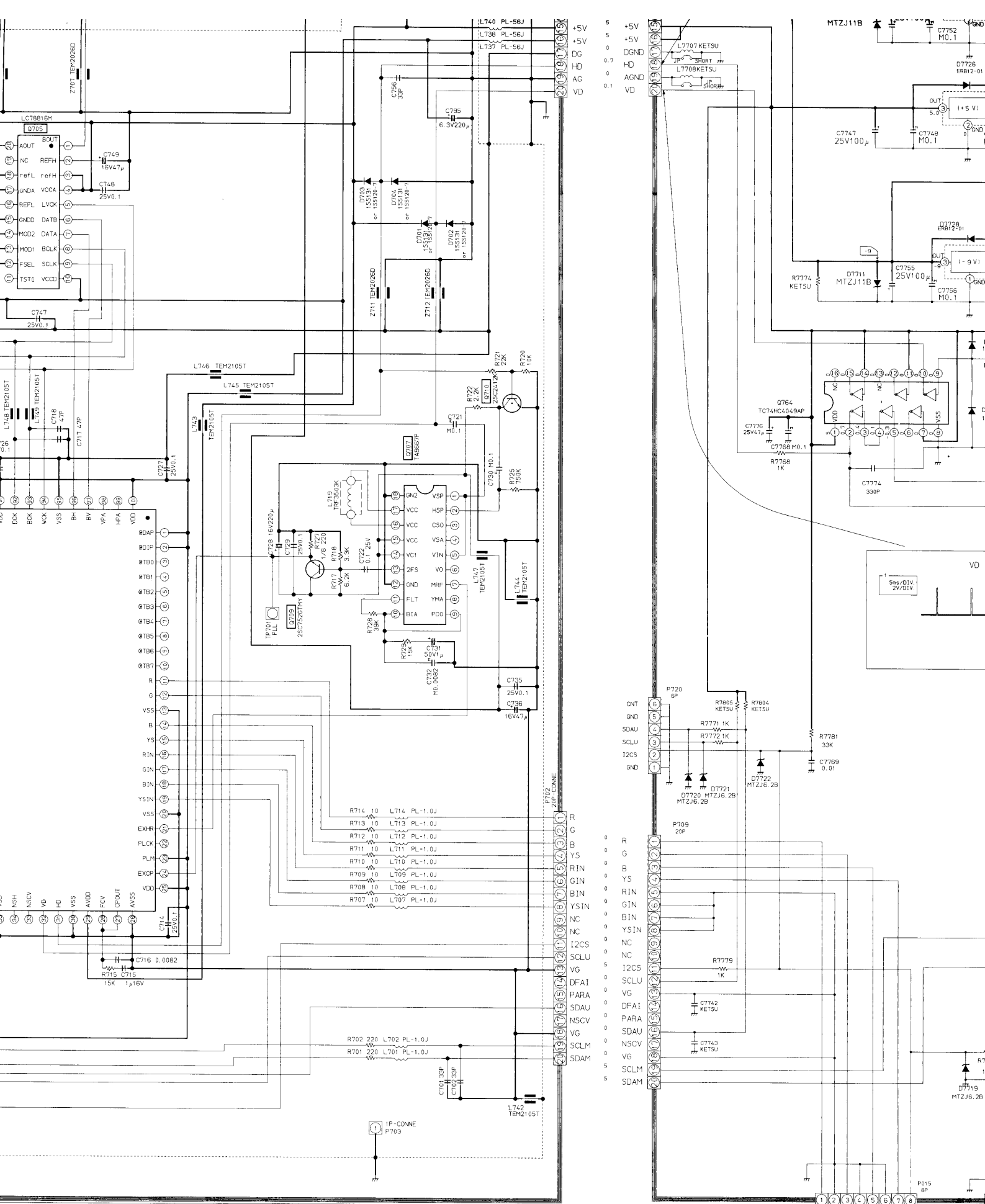
⏚ : Isolated ground

NOTE:

1 RESISTOR Resistance is shown in ohm (k = 1,000, M = 1,000,000). All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.

1/2R : Metal or Metal oxide of 1/2 watt
1/2S : Solid of 1/2 watt
1RF : Fuse resistor of 1 watt
10W : Cement of 10 watts

K = ±10% G = ±2% F = ±1%

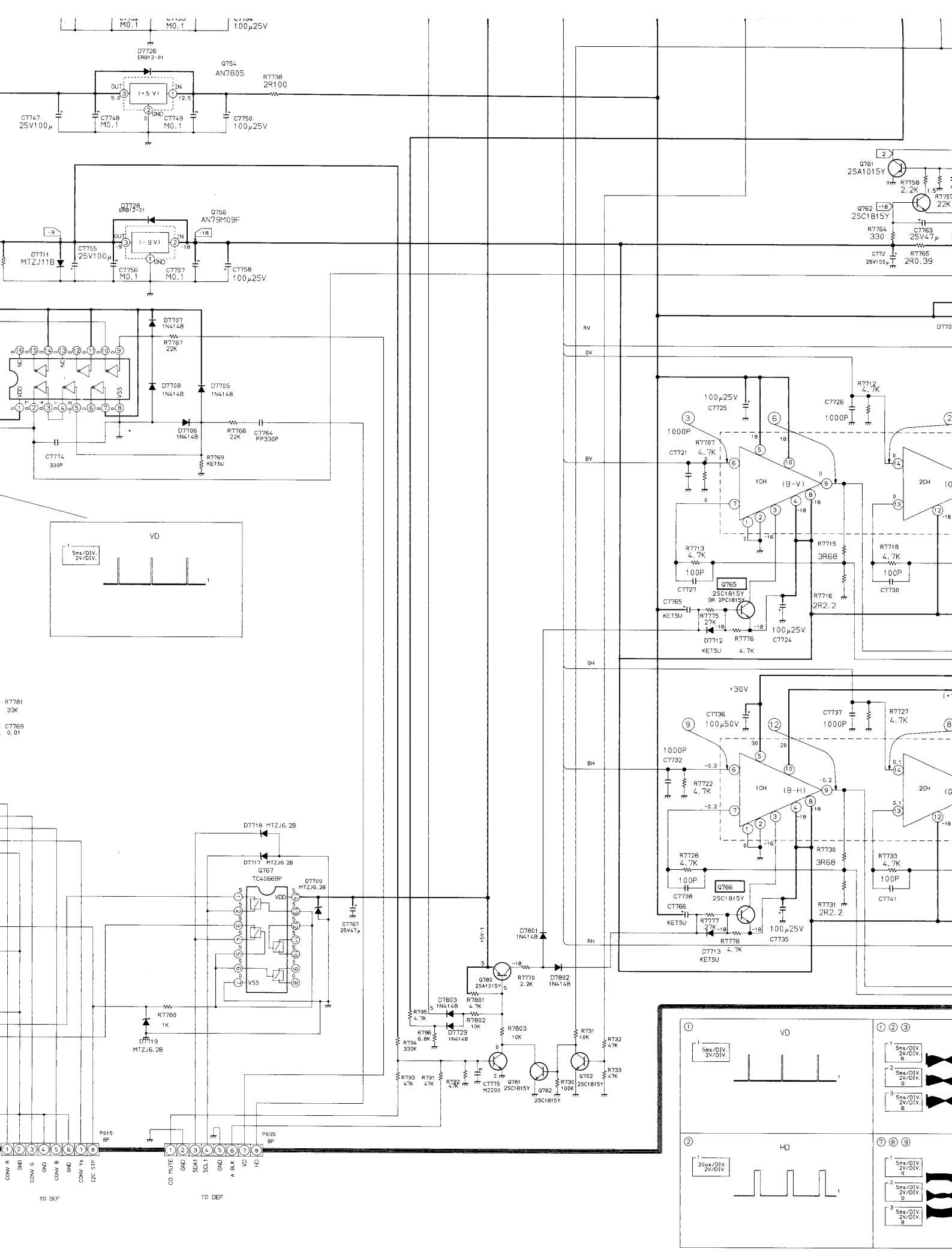


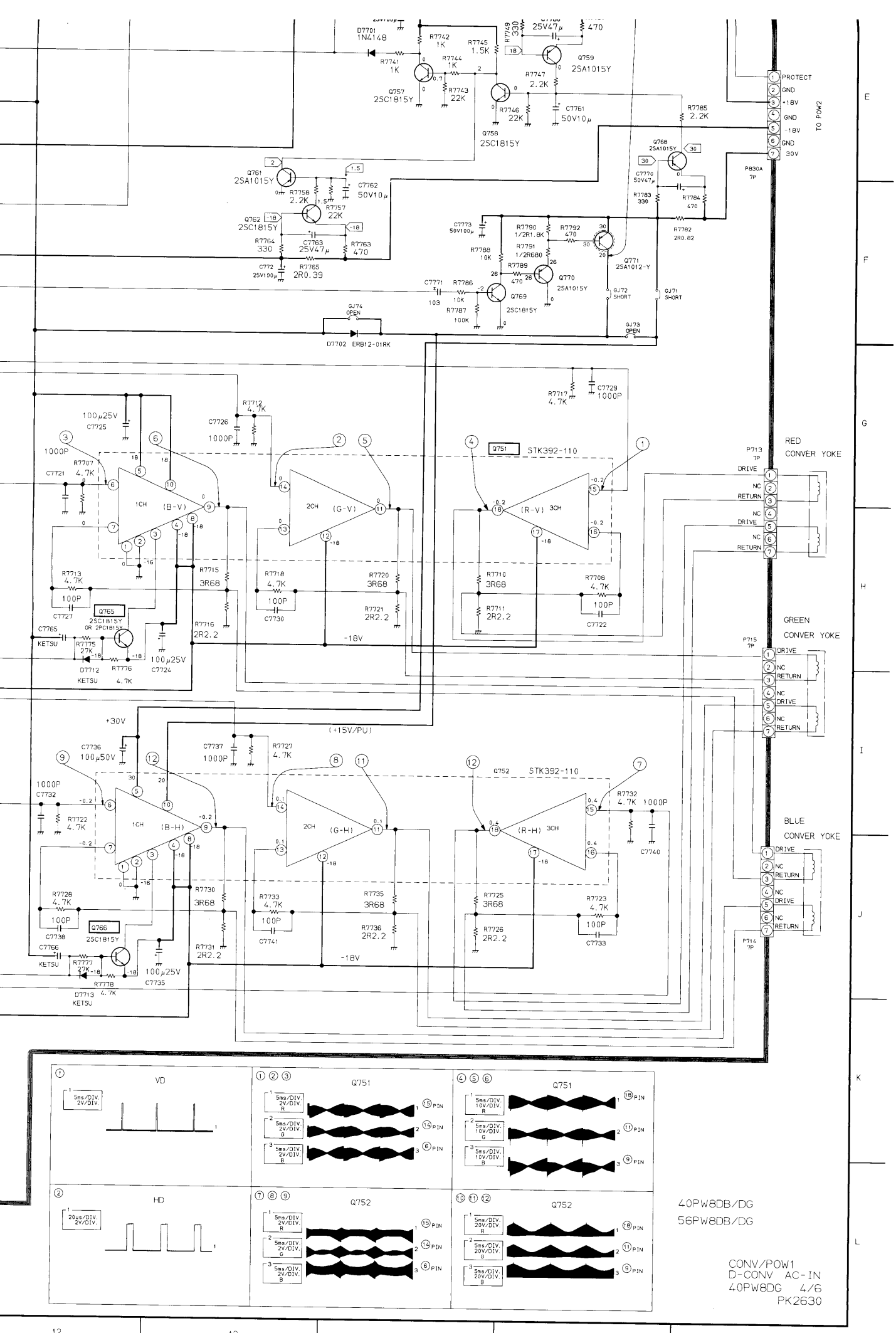
resistors are 1/6W and 5% tolerance
arks.
1/2S : Solid of 1/2 watt
10W : Cement of 10 watts

2 CAPACITOR Unless otherwise noted in schematic, all capacitor valuse less than 1 are expressed in μF, and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.
Electrolitic capacitor Mylar capacitor

3. The parts indicated with "△" have special characteristics should be replaced with identical parts only

4. This schematic diagram is the latest the time of copying, so it must be changet in acordance with all informed modification notices.


D7726 ERB12-01
Q754 AN7805
R7738 2R100
C7747 25V100μ
C7748 M0.1
C7749 M0.1
C7750 100μ25V
D7728 ERB12-01
Q756 AN79M09F
D7711 MTZJ11B
C7755 25V100μ
C7756 M0.1
C7757 M0.1
C7758 100μ25V
D7707 1N4148
R7767 22K
D7708 1N4148
D7705 1N4148
D7706 1N4148
R7766 22K
C7764 PP330P
C7774 330P
R7769 KETSU
VD
5ms/DIV. 2V/DIV.
R7781 33K
C7769 0.01
D7718 MTZJ6.2B
D7717 MTZJ6.2B
Q767 TC4066BP
D7709 MTZJ6.2B
C7767 25V47μ
R7780 1K
D7719 MTZJ6.2B
Q761 2SA1015Y
R7758 2.2K
Q762 2SC1815Y
R7764 330
C7763 25V47μ
C7772 25V100μ
R7765 2R0.39
RV
GV
BV
GH
BH
RH
C7725 100μ25V
R7712 4.7K
C7726 1000P
C7721 4.7K
1CH (B-V)
2CH
R7713 4.7K
100P
C7727
R7715 3R68
R7718 4.7K
C7730
Q765 2SC1815Y OR 2PC1815Y
C7765 KETSU
R7775 27K
R7776 4.7K
C7724 100μ25V
R7716 2R2.2
D7712 KETSU
+30V
C7736 100μ50V
C7737 1000P
R7727 4.7K
C7732 1000P
R7722 4.7K
1CH (B-H)
2CH
R7728 4.7K
100P
C7738
R7730 3R68
R7733 4.7K
C7741
Q766 2SC1815Y
C7766 KETSU
R7777 27K
R7778 4.7K
C7735 100μ25V
R7731 2R2.2
D7713 KETSU
+5V-1
D7801 1N4148
Q780 2SA1015Y
R7770 2.2K
D7802 1N4148
D7803 1N4148
R7795 4.7K
R7801 4.7K
R7802 10K
D7729 1N4148
R7796 6.8K
R7794 330K
R7803 10K
R731 10K
R732 47K
R793 47K
R791 47K
R792 47K
C7775 M2200
Q781 2SC1815Y
Q782 2SC1815Y
Q702 2SC1815Y
R730 100K
R733 47K
P015 8P
P035 8P
CONV R
GND
CONV G
GND
CONV B
GND
CONV Ys
I2C STP
TO DEF
CO MUTE
GND
SDA1
SCL1
GND
A BLK
VD
HD
TO DEF
① VD
5ms/DIV. 2V/DIV.
① ② ③
5ms/DIV. 2V/DIV. R
5ms/DIV. 2V/DIV. G
5ms/DIV. 2V/DIV. B
② HD
20us/DIV. 2V/DIV.
⑦ ⑧ ⑨
5ms/DIV. 2V/DIV. R
5ms/DIV. 2V/DIV. G
5ms/DIV. 2V/DIV. B


D7701 1N4148
R7742 1K
R7745 1.5K
R7749 330
25V47μ
470
R7741 1K
R7744 1K
Q759 2SA1015Y
Q757 2SC1815Y
R7743 22K
R7747 2.2K
R7746 22K
C7761 50V10μ
Q758 2SC1815Y
R7785 2.2K
PROTECT
GND
+18V
GND
-18V
GND
30V
TO POW2
Q768 2SA1015Y
C7770 50V47μ
R7783 330
R7784 470
P830A 7P
Q761 2SA1015Y
R7756 2.2K
C7762 50V10μ
R7757 22K
Q762 2SC1815Y
R7764 330
C7763 25V47μ
R7763 470
C772 25V100μ
R7765 2R0.39
R7782 2R0.82
C7773 50V100μ
R7790 1/2R1.8K
R7792 470
R7791 1/2R680
R7788 10K
R7789 470
Q770 2SA1015Y
Q771 2SA1012-Y
C7771 103
R7786 10K
Q769 2SC1815Y
R7787 100K
GJ72 SHORT
GJ71 SHORT
GJ74 OPEN
GJ73 OPEN
D7702 ERB12-01RK
R7717 4.7K
C7729 1000P
100μ25V C7725
R7712 4.7K
C7726 1000P
1000P
R7707 4.7K
C7721
Q751 STK392-110
1CH (B-V)
2CH (G-V)
3CH (R-V)
P713 7P
RED CONVER YOKE
DRIVE
NC
RETURN
NC
DRIVE
NC
RETURN
R7713 4.7K
100P C7727
R7715 3R68
R7718 4.7K
100P C7730
R7720 3R68
R7721 2R2.2
R7710 3R68
R7711 2R2.2
R7708 4.7K
100P C7722
Q765 2SC1815Y OR 2PC1815Y
C7765 KETSU
R7775 27K
D7712 KETSU
R7776 4.7K
100μ25V C7724
R7716 2R2.2
-18V
P715 7P
GREEN CONVER YOKE
+30V
(+15V/PU)
C7736 100μ50V
C7737 1000P
R7727 4.7K
1000P C7732
R7722 4.7K
Q752 STK392-110
1CH (B-H)
2CH (G-H)
3CH (R-H)
R7732 4.7K
1000P C7740
BLUE CONVER YOKE
R7728 4.7K
100P C7738
R7730 3R68
R7733 4.7K
100P C7741
R7735 3R68
R7736 2R2.2
R7725 3R68
R7726 2R2.2
R7723 4.7K
100P C7733
Q766 2SC1815Y
C7766 KETSU
R7777 27K
D7713 KETSU
R7778 4.7K
100μ25V C7735
R7731 2R2.2
-18V
P714 7P
VD
5ms/DIV. 2V/DIV.
Q751
5ms/DIV. 2V/DIV. R
5ms/DIV. 2V/DIV. G
5ms/DIV. 2V/DIV. B
15 PIN
14 PIN
6 PIN
5ms/DIV. 10V/DIV. R
5ms/DIV. 10V/DIV. G
5ms/DIV. 10V/DIV. B
18 PIN
11 PIN
9 PIN
HD
20μs/DIV. 2V/DIV.
Q752
5ms/DIV. 20V/DIV. R
5ms/DIV. 20V/DIV. G
5ms/DIV. 20V/DIV. B
40PW8DB/DG
56PW8DB/DG
CONV/POW1
D-CONV AC-IN
40PW8DG 4/6
PK2630

SCHEMATIC DIAGRAM MODEL : 40PW8DG (5/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

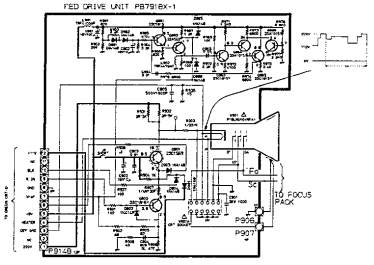
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

EXPRESSION

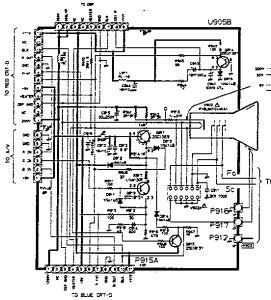
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

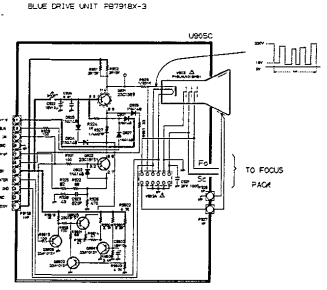
RED DRIVE UNIT PB7918X-1



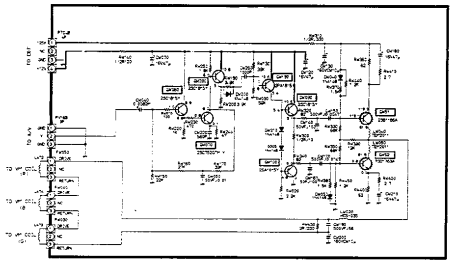
GREEN DRIVE UNIT PB7918X-2



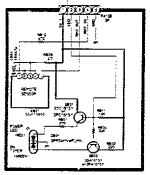
BLUE DRIVE UNIT PB7918X-3



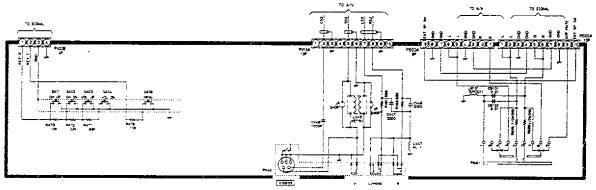
SVM PB7918X-7



PB7918X-6

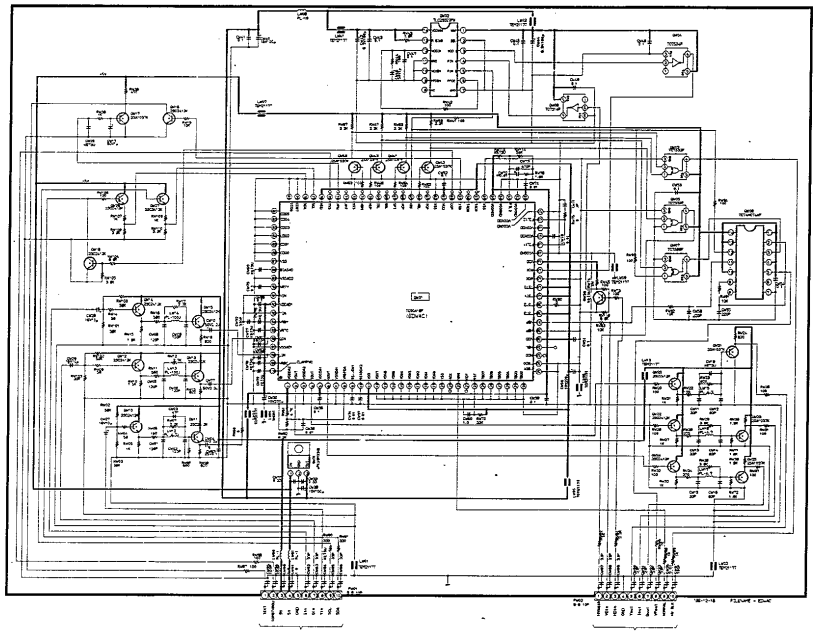


RMT IN UNIT



FRONT IN UNIT
PB7918X-5

ED-WAC PB7919

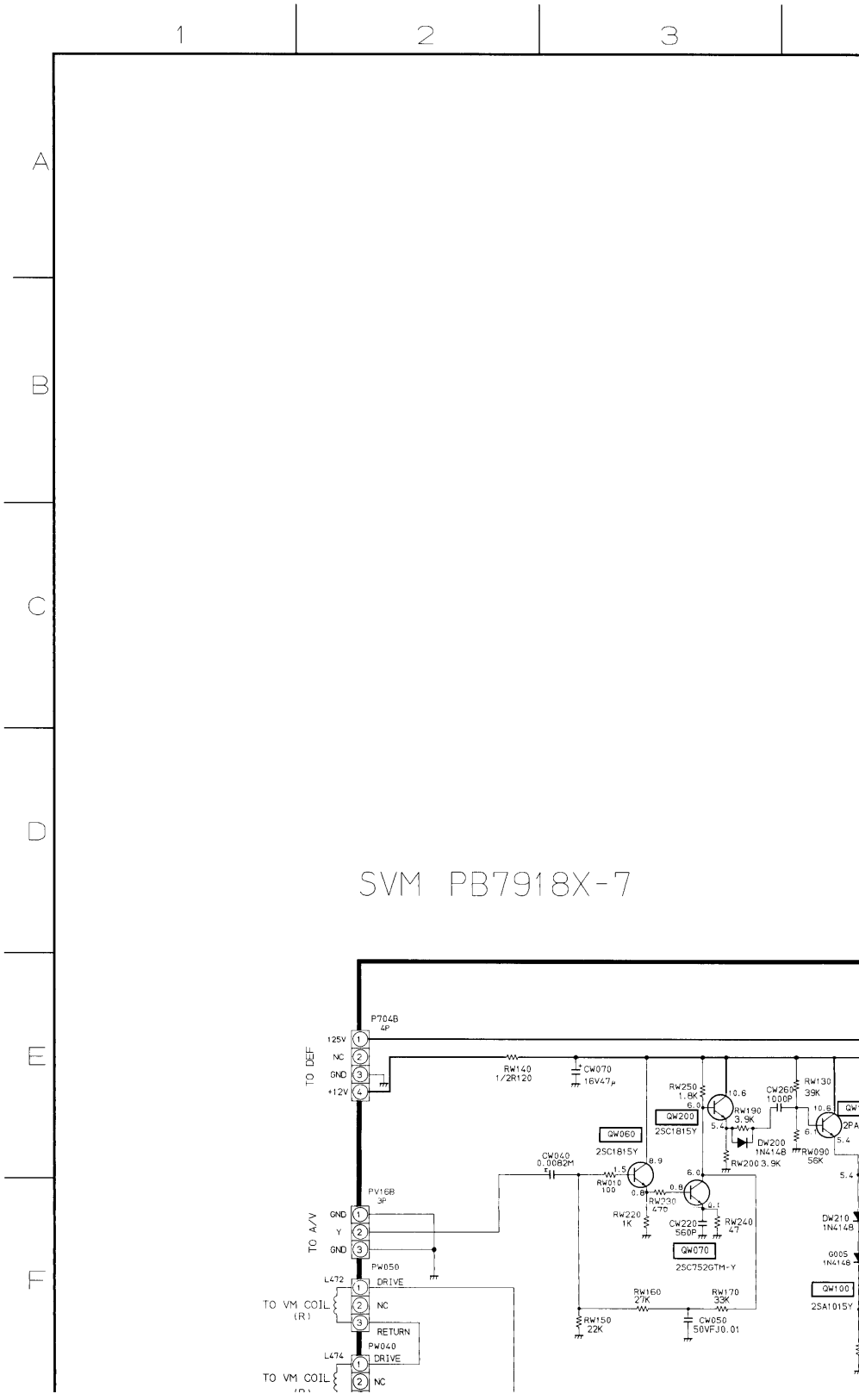


CRT-D,R,G,B
ED-WAC-SVM
FRONT-IN RMT-IN
40PW8DG 5/6
PK2631

SCHEMATIC DIAGRAM MODEL : 40PW8DG (5/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.



OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

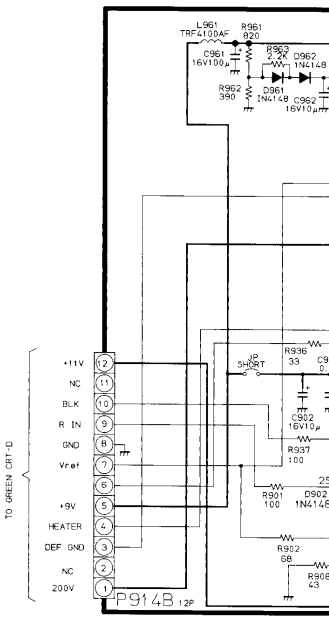
com-
dentical to
entical
E on page

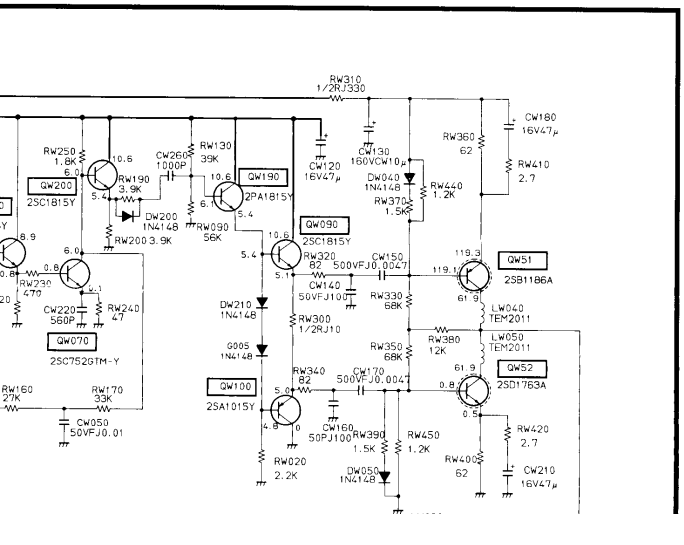
NOTES:

1. D.C. resistance va
gram. These are m
2. The circuits are sul
3. ⬬ : Solder links

3 | 4 | 5 | 6 | 7 | 8

RED DRIVE UNIT





S:

C. resistance value of a principal transformer is shown in this schematic dia-
m. These are measured for separated from the circuit.
e circuits are subject to change without notice.
: Solder links.

EXPRESSION

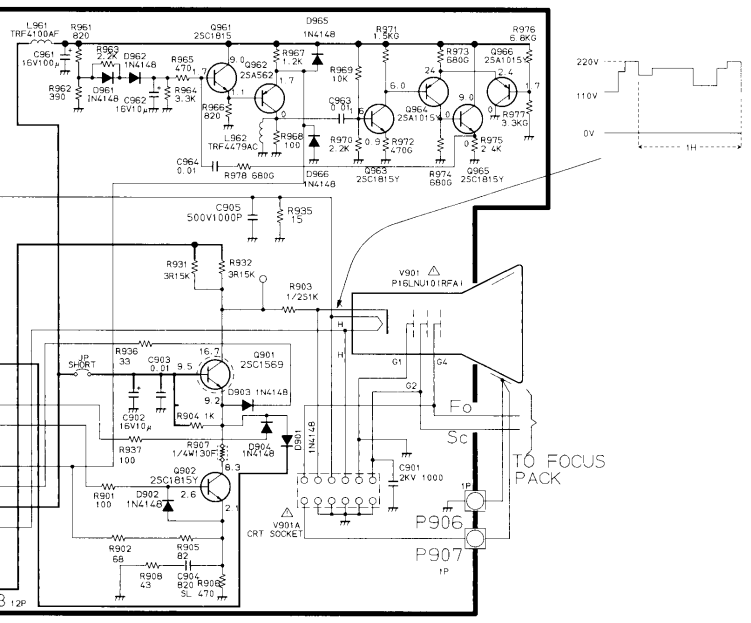
VALUE OF RESISTOR, CAPACITOR and INDUC

1. Resistance is shown in ohm, k=1,000, M=1,000,00
2. Unless other wise noted in schematic, all capacito
sed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor
sed in μH, and the values less than 1 in H.

8 | 9 | 10 | 11 | 12 | 13

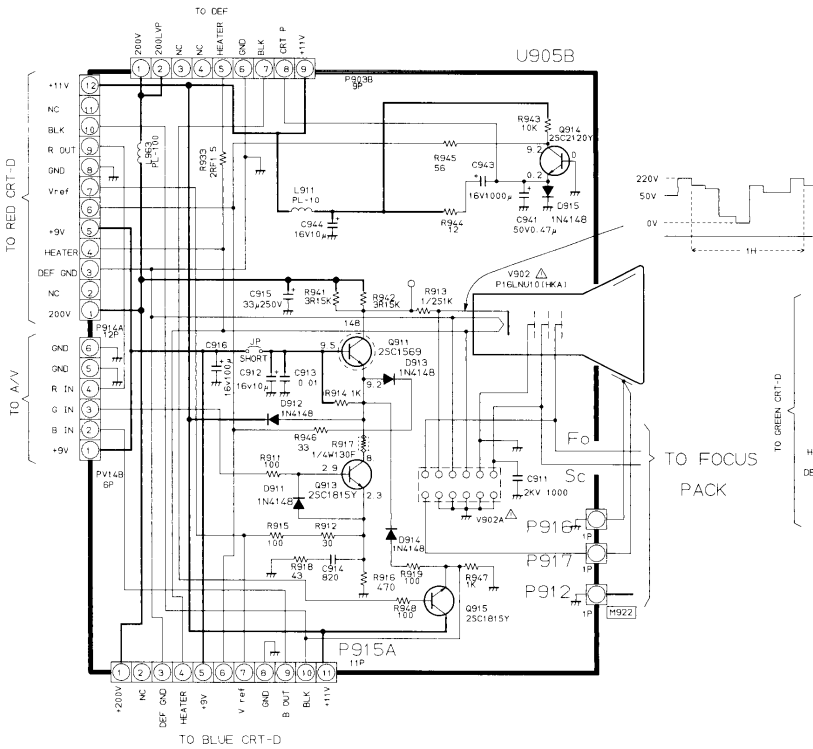
U905A

ED DRIVE UNIT PB7918X-1

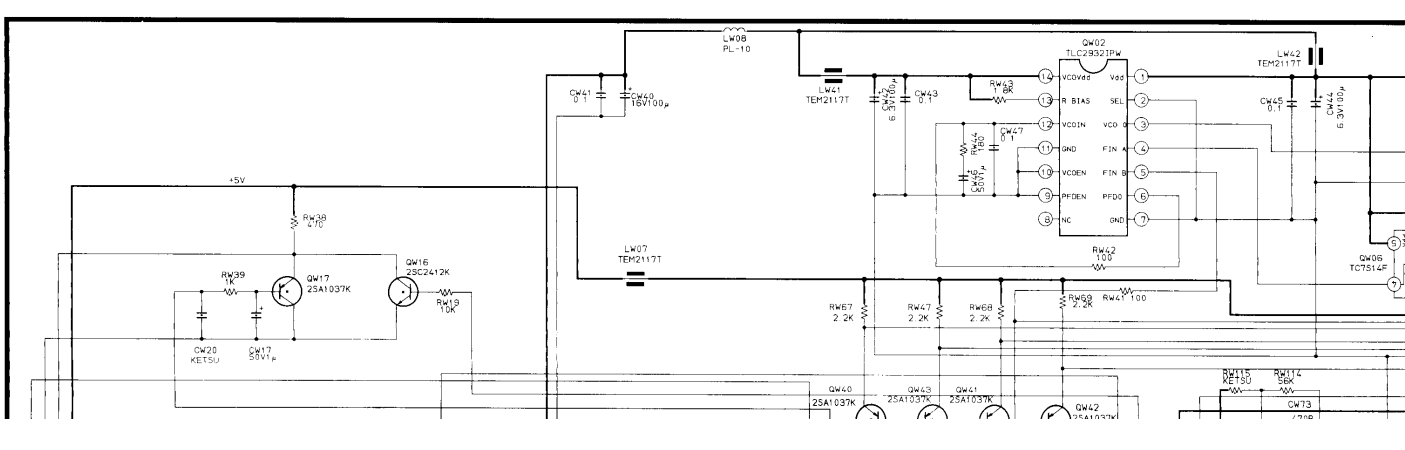


GREEN DRIVE UNIT PB7918X-2

U905B



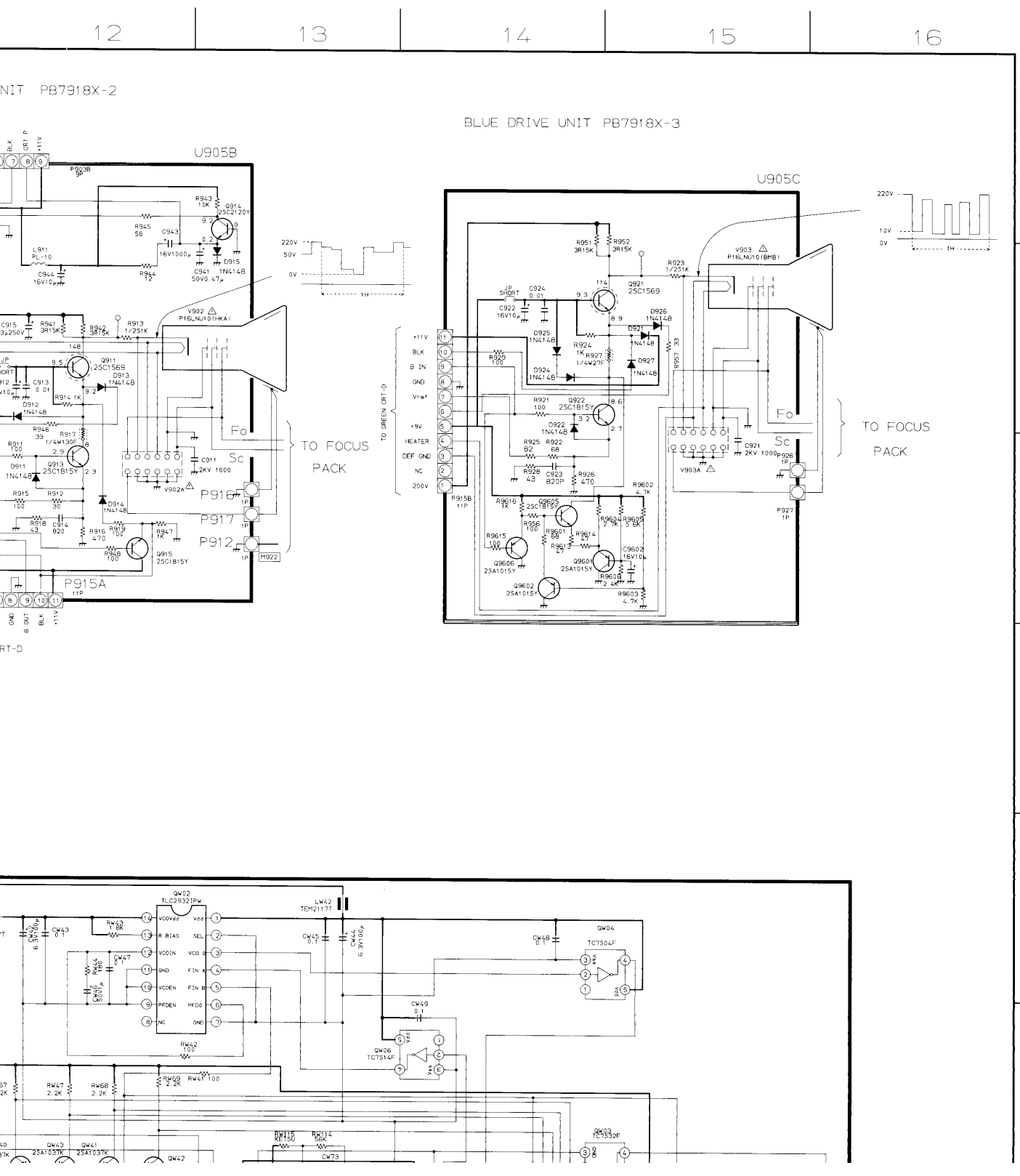
ED-WAC PB7919

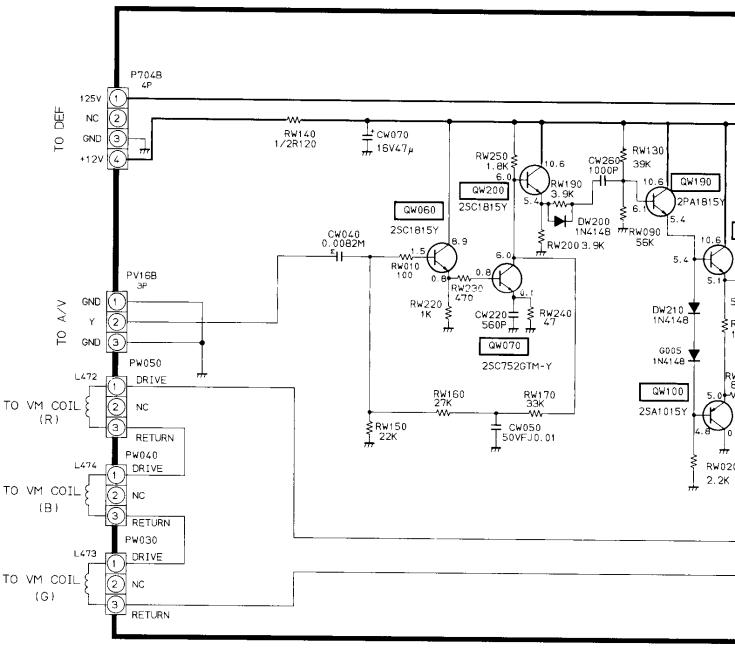


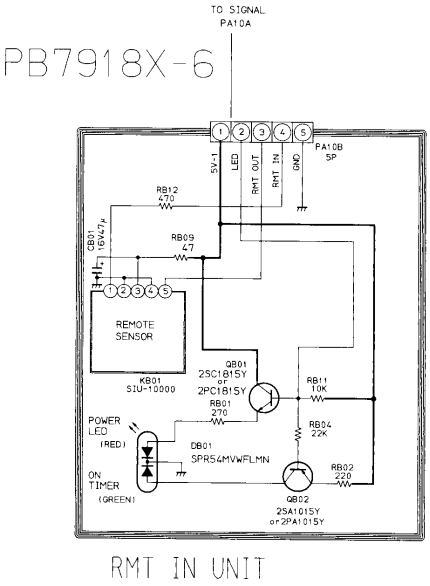
EXPRESSION

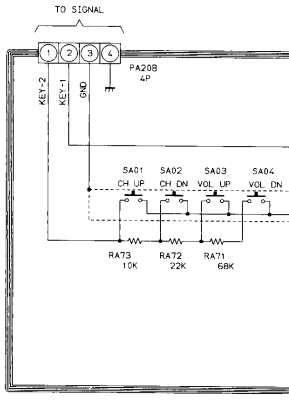
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

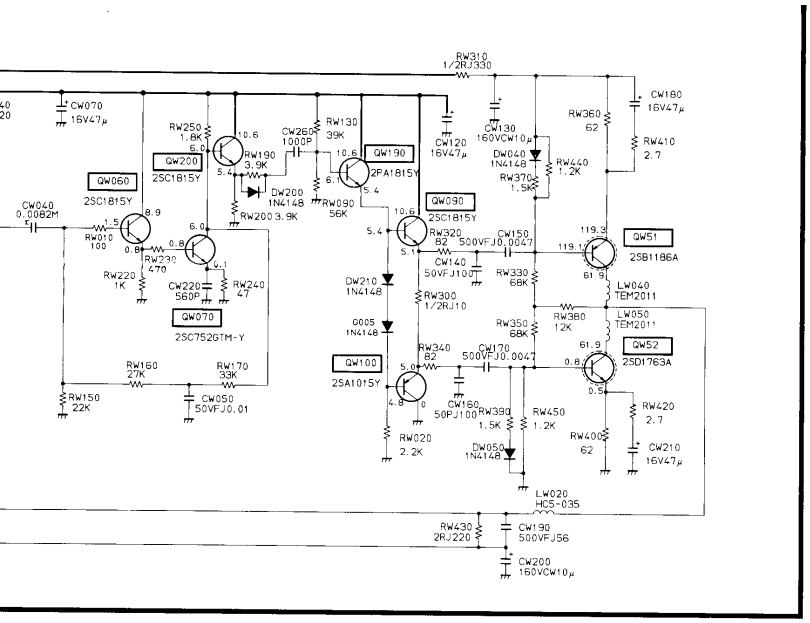
1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

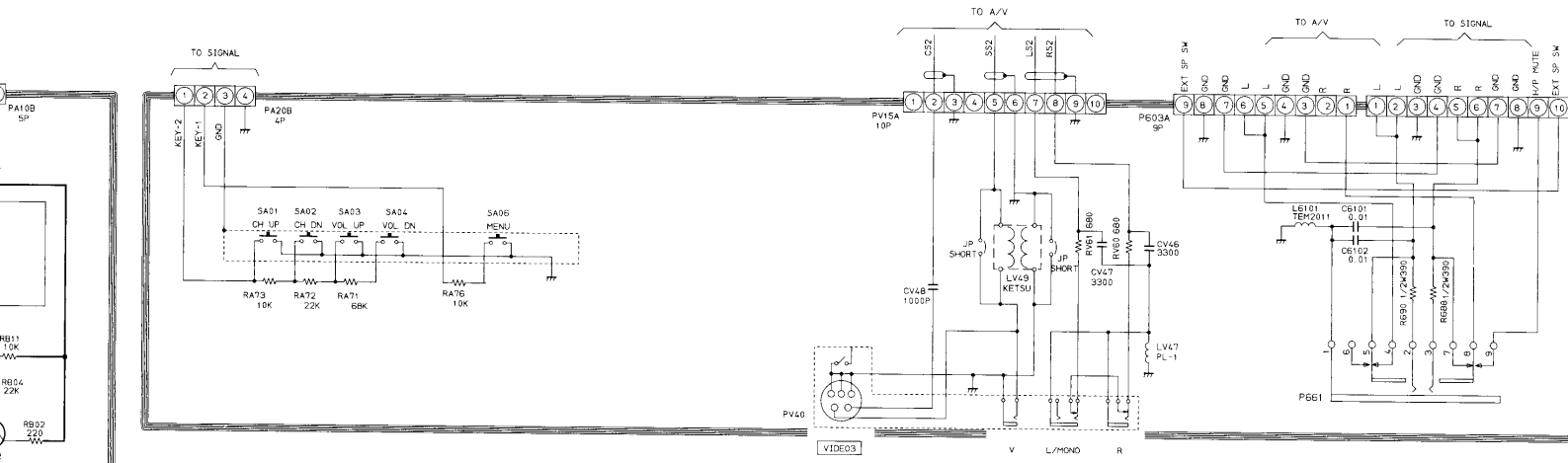



P704B
4P
TO DEF
12SV
NC
GND
+12V
RW140
1/2R120
CW070
16V47μ
RW250
1.8K
RW190
3.9K
CW260
1000P
RW130
39K
QW190
2PA1815Y
QW200
2SC1815Y
QW060
2SC1815Y
DW200
1N4148
RW090
56K
RW200 3.9K
CW040
0.0082M
RW010
100
RW230
470
RW220
1K
CW220
560P
RW240
47
QW070
2SC752GTM-Y
DW210
1N4148
G005
1N4148
QW100
2SA1015Y
RW160
27K
RW170
33K
RW150
22K
CW050
50VFJ0.01
RW020
2.2K
PV16B
3P
TO A/V
GND
Y
GND
PW050
L472
DRIVE
TO VM COIL
(R)
NC
RETURN
PW040
L474
DRIVE
TO VM COIL
(B)
NC
RETURN
PW030
L473
DRIVE
TO VM COIL
(G)
NC
RETURN


TO SIGNAL
PA10A
PB7918X-6
PA10B
5P
5V-1
LED
RMT OUT
RMT IN
GND
RB12
470
CB01
16V47μ
RB09
47
REMOTE
SENSOR
KB01
SIU-10000
QB01
2SC1815Y
or
2PC1815Y
RB11
10K
RB01
270
RB04
22K
POWER
LED
(RED)
DB01
SPR54MVWELMN
ON
TIMER
(GREEN)
QB02
2SA1015Y
or2PA1015Y
RB02
220
RMT IN UNIT


TO SIGNAL
PA20B
4P
KEY-2
KEY-1
GND
SA01
CH UP
SA02
CH DN
SA03
VOL UP
SA04
VOL DN
RA73
10K
RA72
22K
RA71
68K





FRONT IN UNIT

PB7918X-5

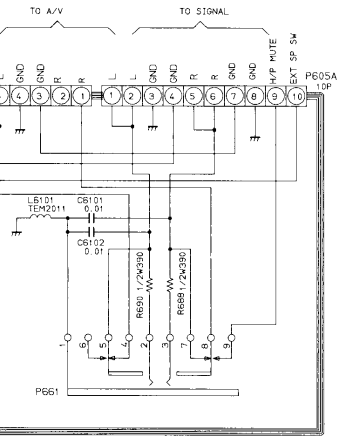
NOTE:

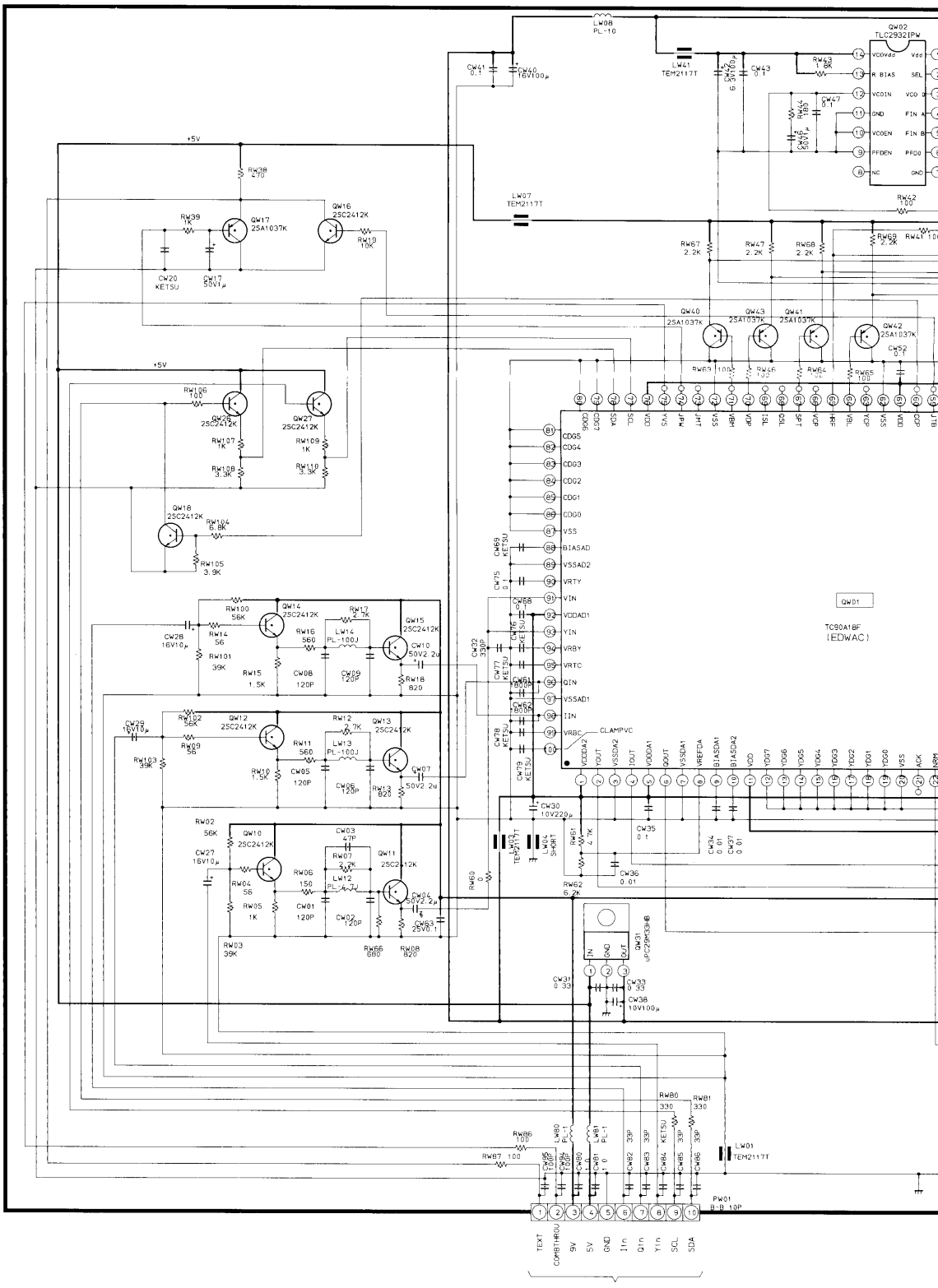
1. RESISTOR Resistance is shown in ohm (K = 1,000, M = 1,000,000), carbon resistor, unless otherwise noted as the followi
1/2R : Metal or Metal oxide of 1/2 watt
1RF : Fuse resistor of 1 watt
K = ±10% G = ±2% F = ±1%

2. CAPACITOR Unless otherwise noted in schematic, all capacitor val values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted
Electrolitic capacitor Myla

3. The parts indicated with "△" have special characteristics should be r

4. This schematic diagram is the latest the time of copying, so it must be modification notices.





stance is shown in ohm (K = 1,000, M = 1,000,000). All resistors are 1/6W and 5% tolerance on resistor,unless otherwise noted as the following marks.

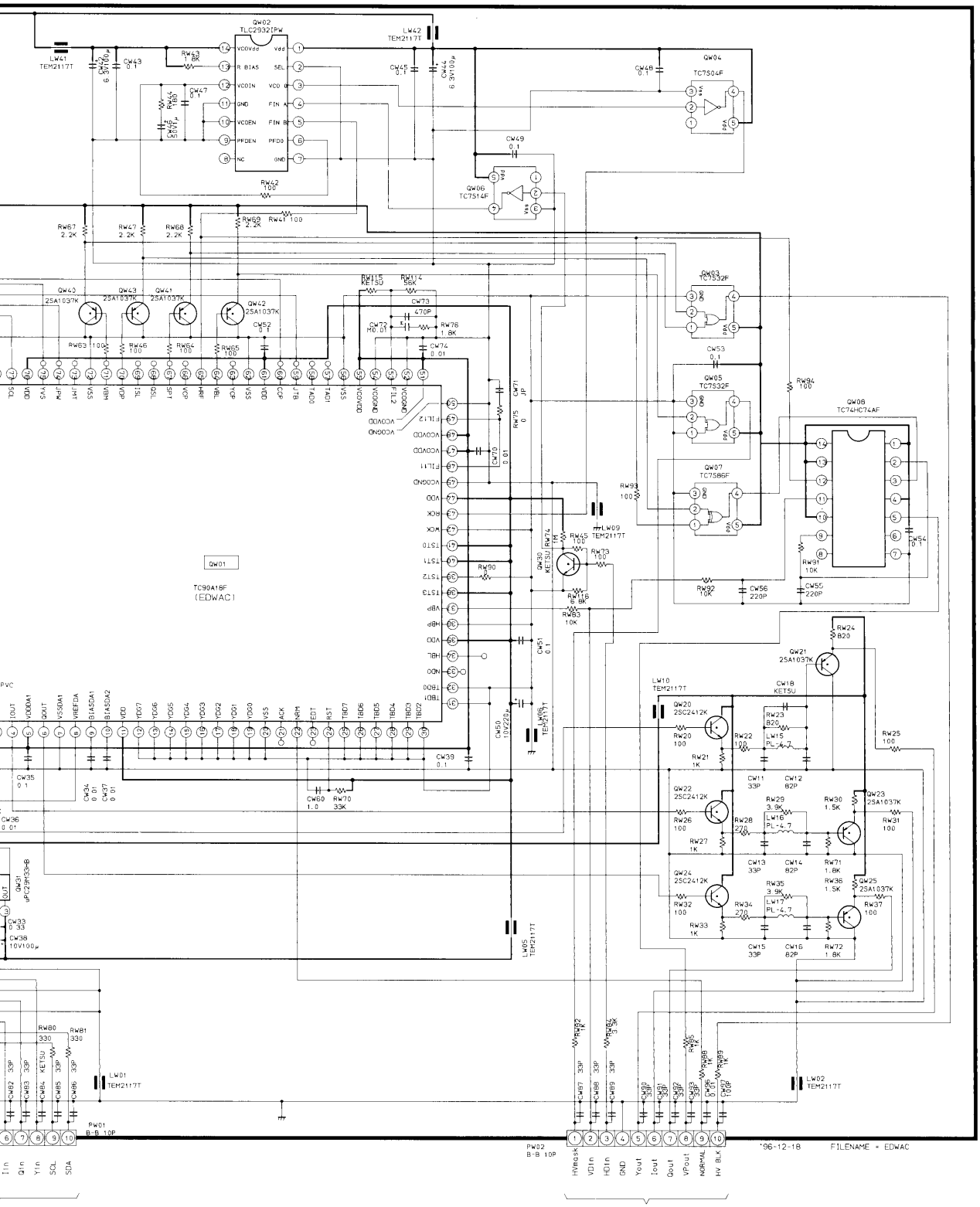
1/2R : Metal or Metal oxide of 1/2 watt 1/2S : Solid of 1/2 watt
1RF : Fuse resistor of 1 watt 10W : Cement of 10 watts

K = ±10% G = ±2% F = ±1%

ss otherwise noted in schematic,all capacitor valuse less than 1 are expressed in μF,and the es more than 1 in pF.
capacitors are ceramic 50V, unless otherwise noted as the following marks.

Electrolitic capacitor Mylar capacitor

ted with "△" have special characteristics should be replaced with identical parts only
iagram is the latest the time of copying, so it must be changet in acordance with all informed ces.



CRT-D R G B
ED-WAC 'SVM
FRONT-IN RMT-IN
40PW8DG 5/6

PK2631

SCHEMATIC DIAGRAM MODEL : 40PW8DG (6/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

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3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

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1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

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2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

U101B DIGITAL INPUT BOARD
PB7944-2

U907 TEXT BOARD
PB7928

U101A DOLBY DIGITAL BOARD PB7944-1

TEXT
DOLBY DIGITAL (AC-3)
40PW8DG 6/6
FK2632

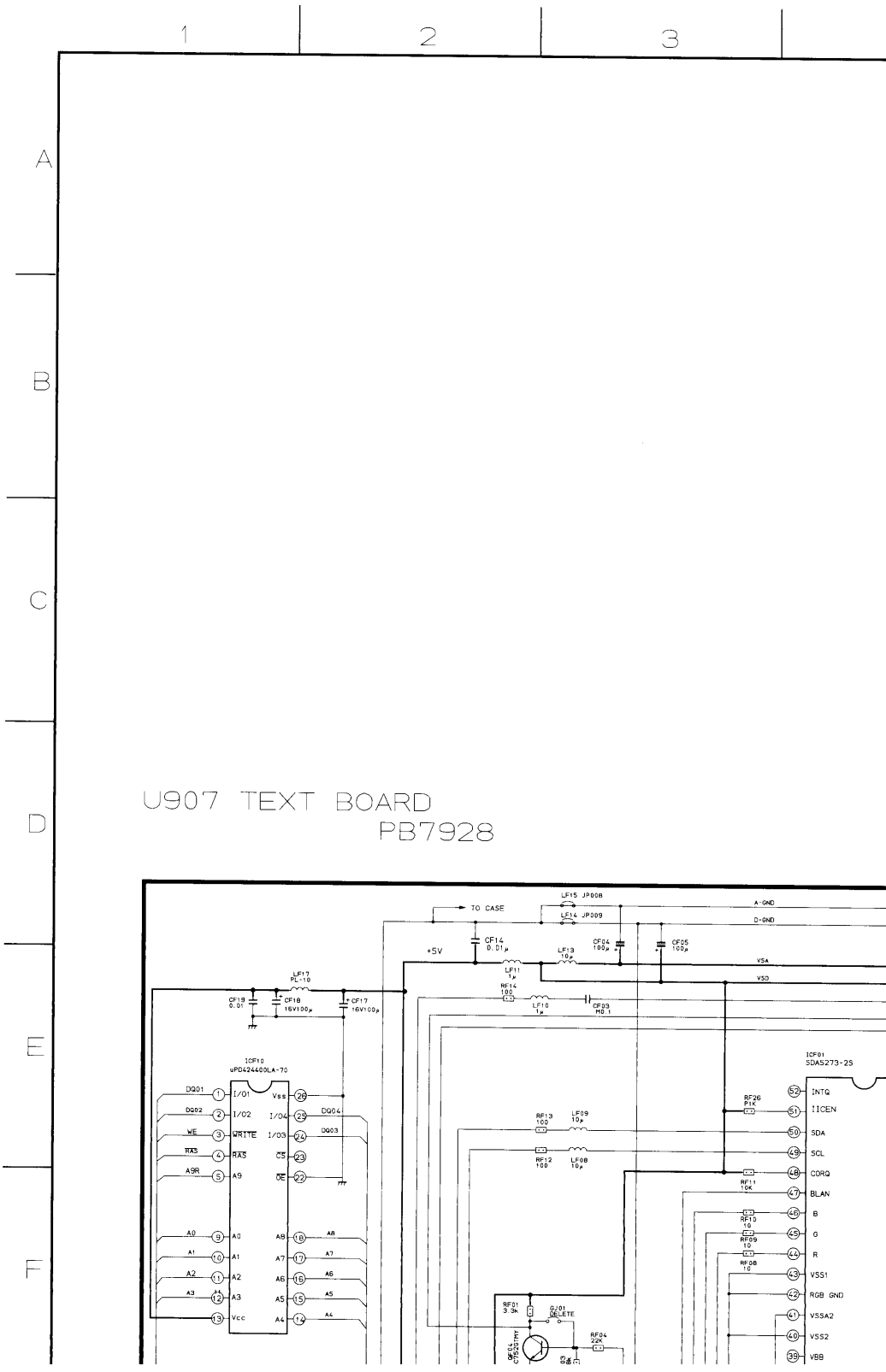
SCHEMATIC DIAGRAM MODEL : 40PW8DG (6/6)
40PW8DB

030-9802

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBS

1. Vo
   vo
2. Al
3. W
4. M
   BF
   pi



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with types identical to
ts is to be identical
ETY NOTICE on page

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NOTES:

1. D.C. re
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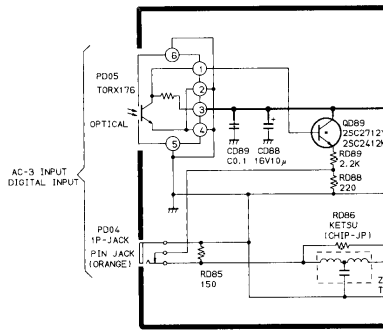
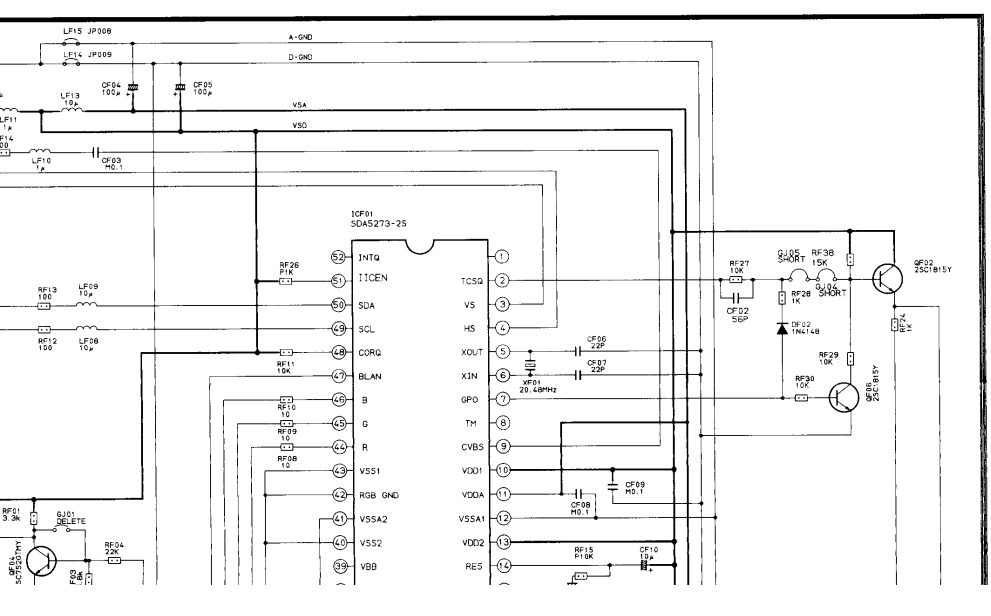
2. The cir
3. ● : S

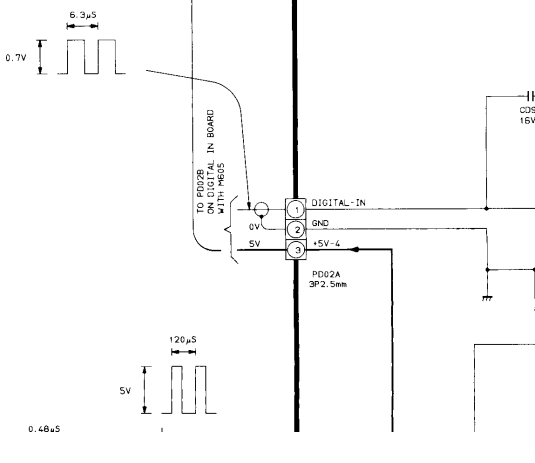
3 4 5 6 7 8

U101B DIGITAL I
PB7944-2





U101A DOLBY



EXPRESSION

VALUE OF RESISTO

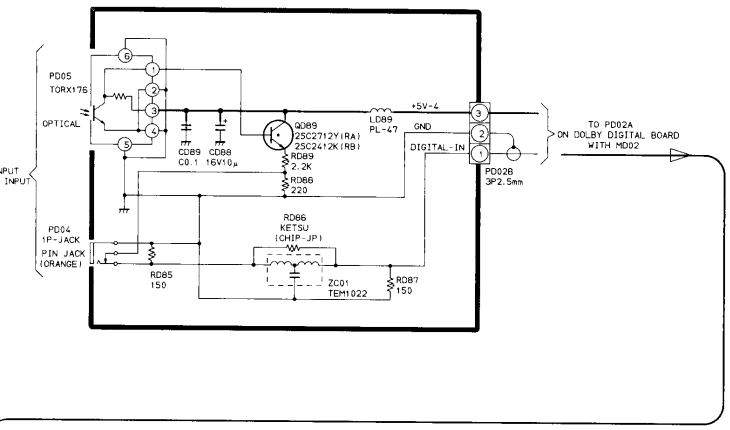
1. Resistance is shown
2. Unless other wise n
   sed in μF and the va
3. Unless otherwise no
   sed in μH, and the va

NOTES:

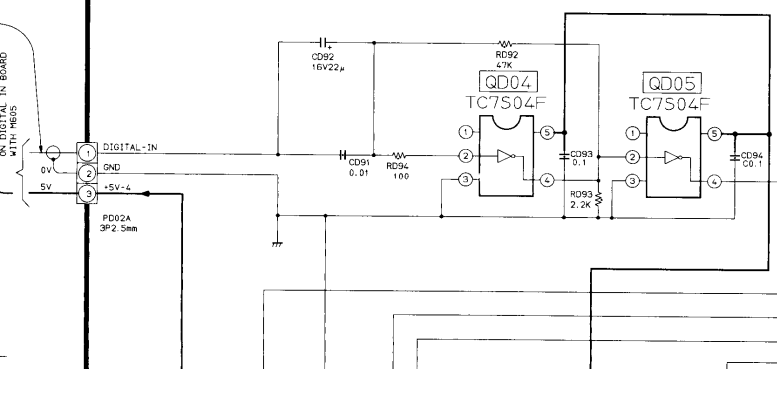
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ⊖ : Solder links.

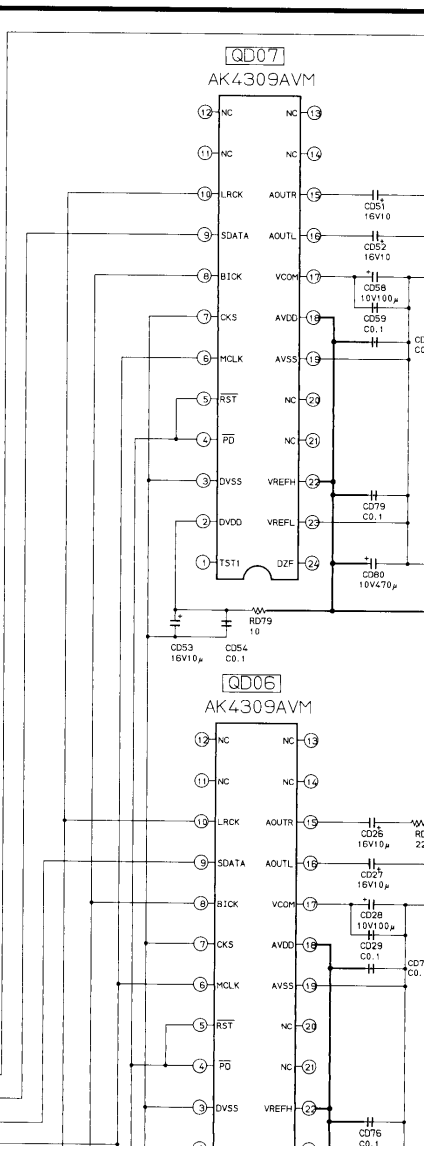
7 | 8 | 9 | 10 | 11 | 12

U101B DIGITAL INPUT BOARD
PB7944-2



U101A DOLBY DIGITAL BOARD PB7944-1

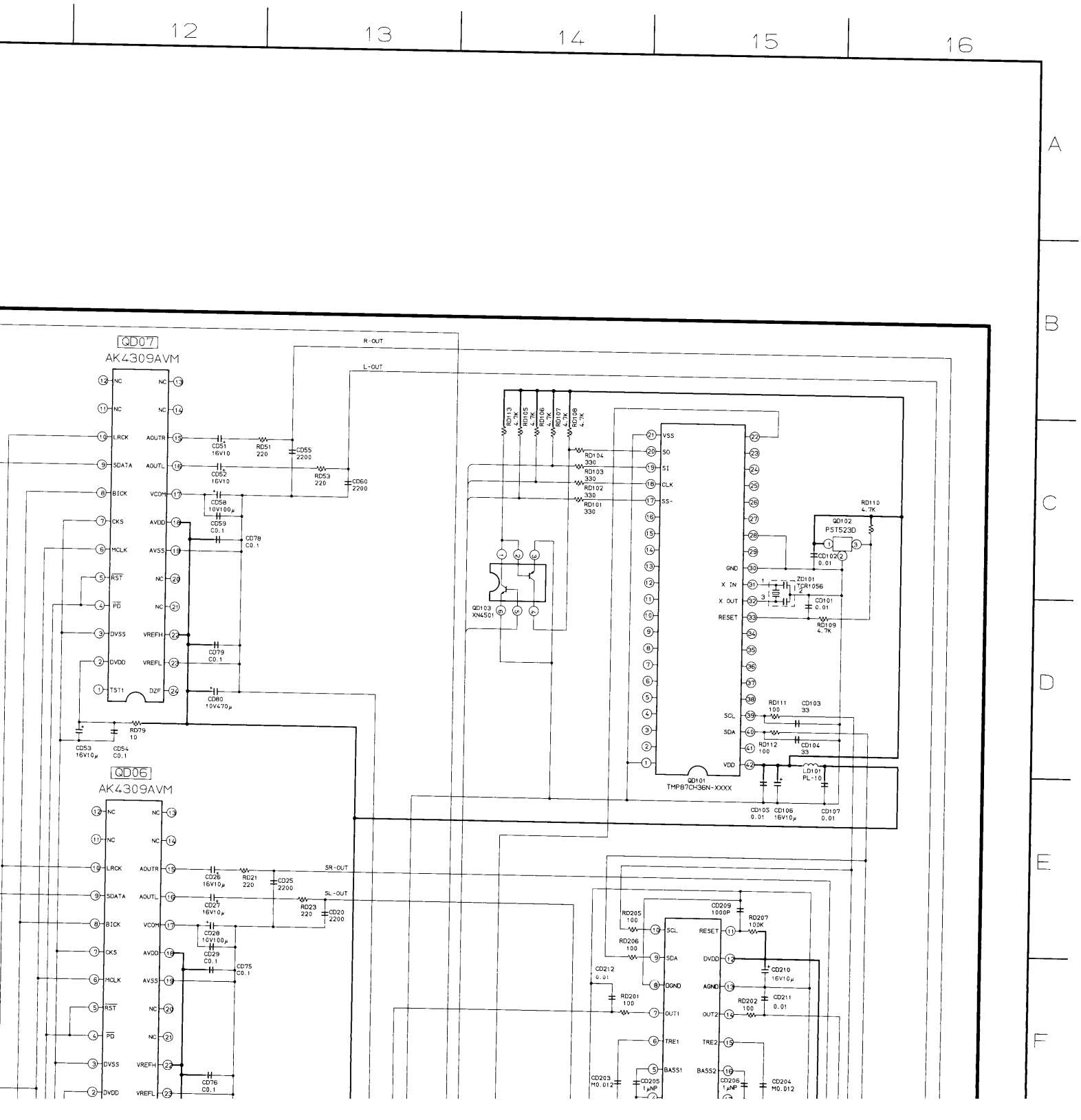


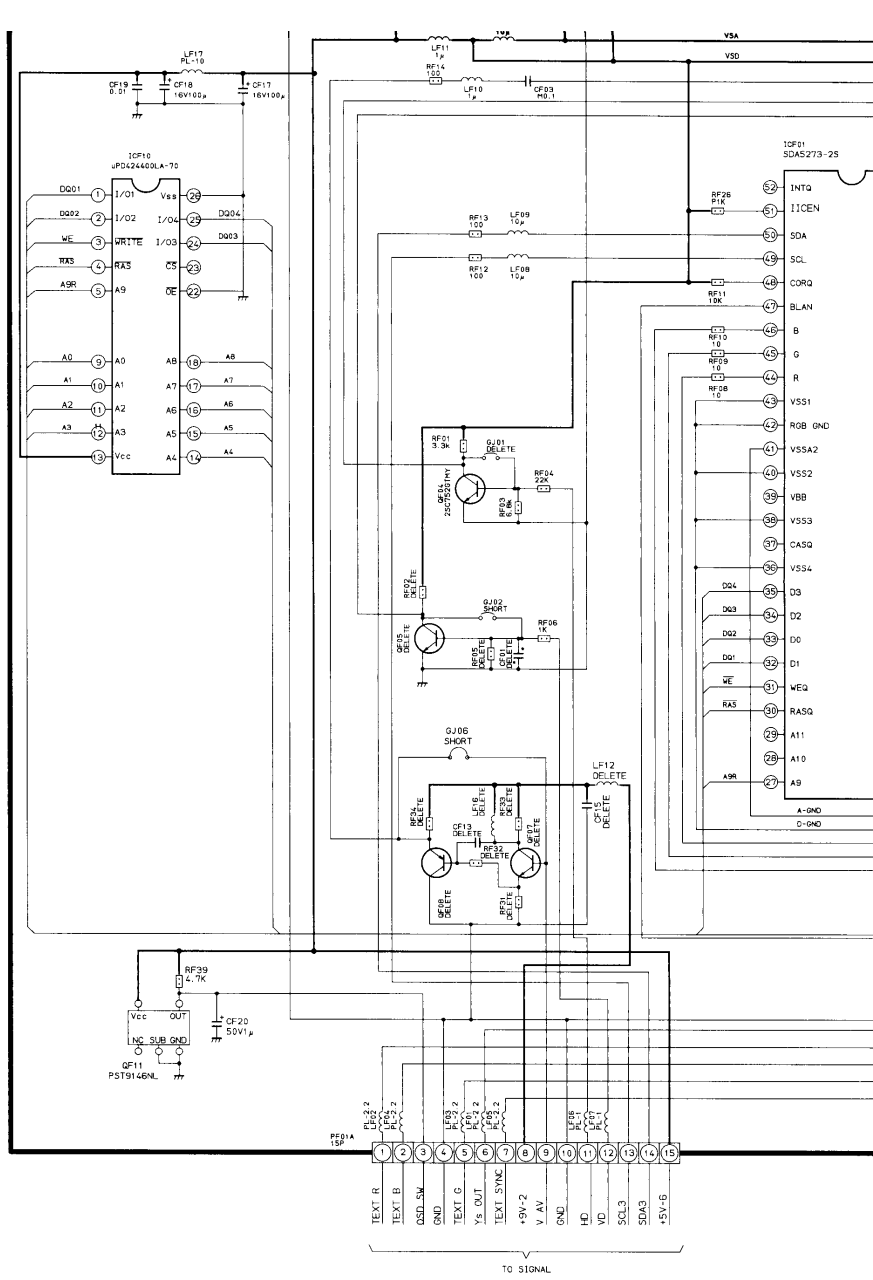


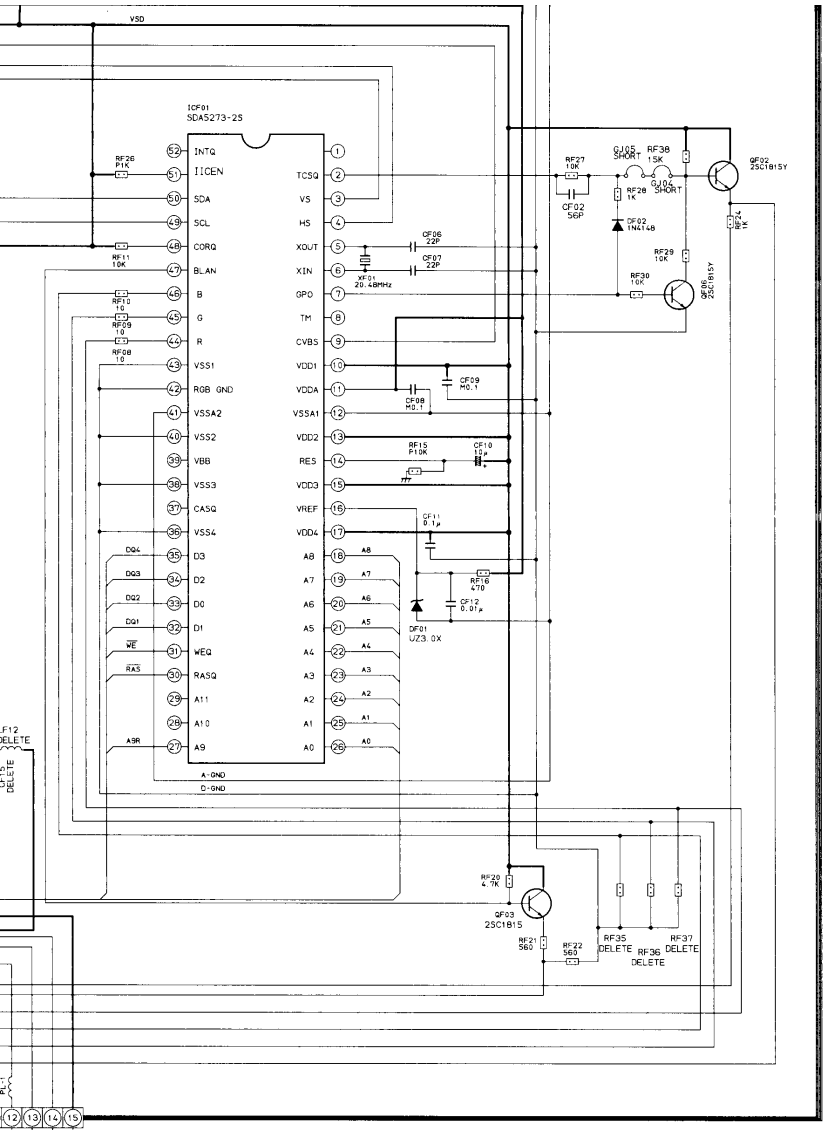
EXPRESSION

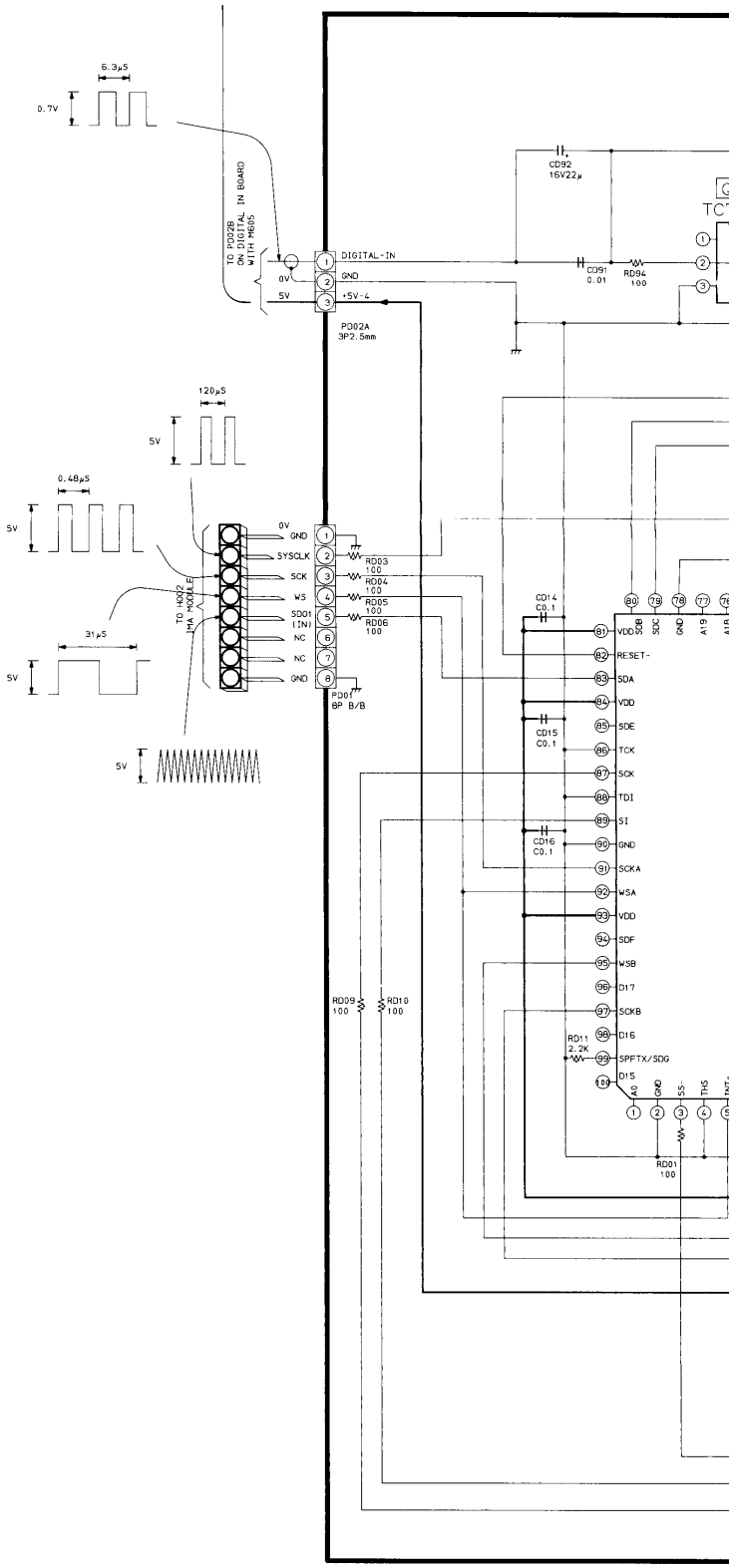
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

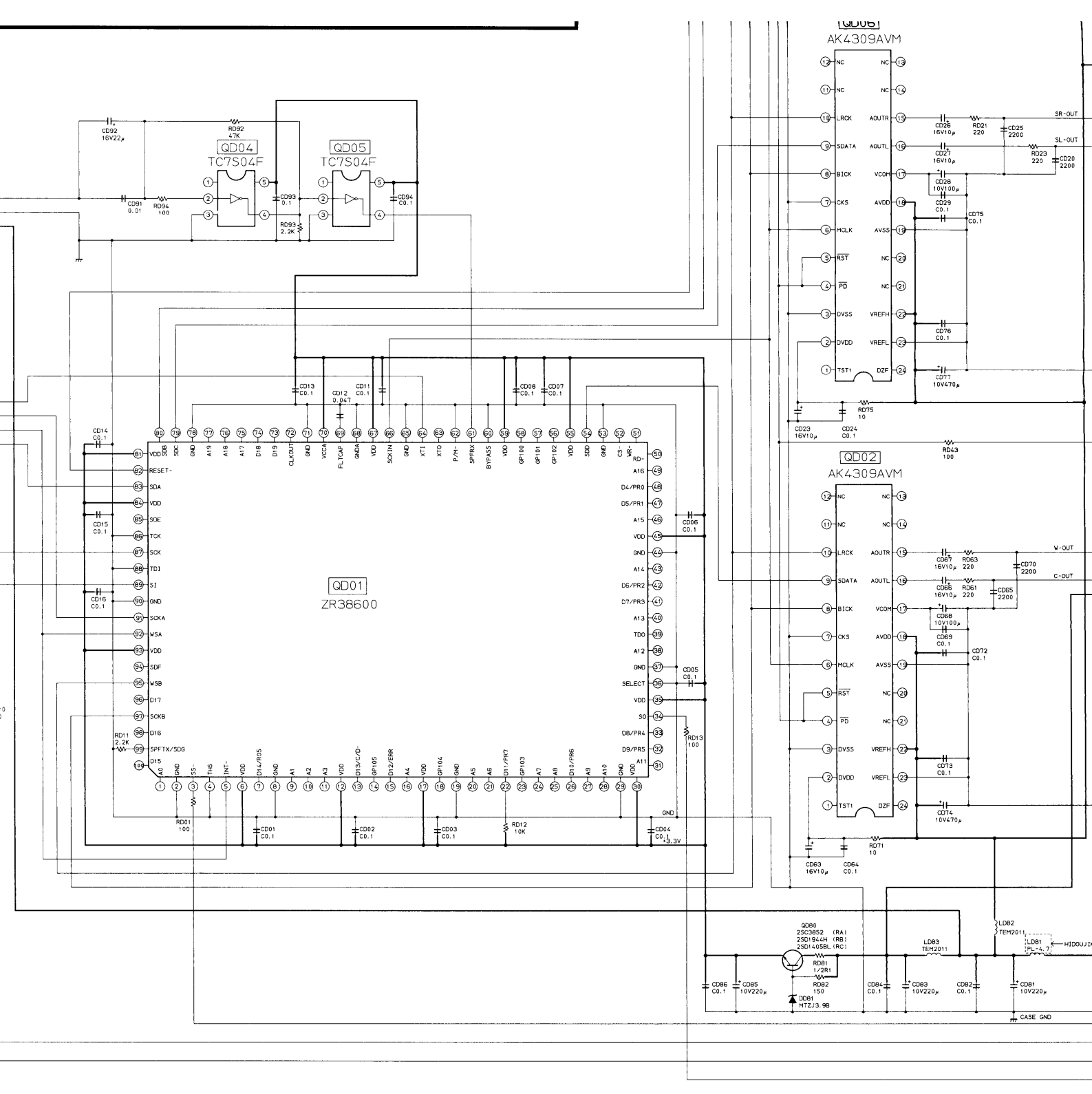
1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

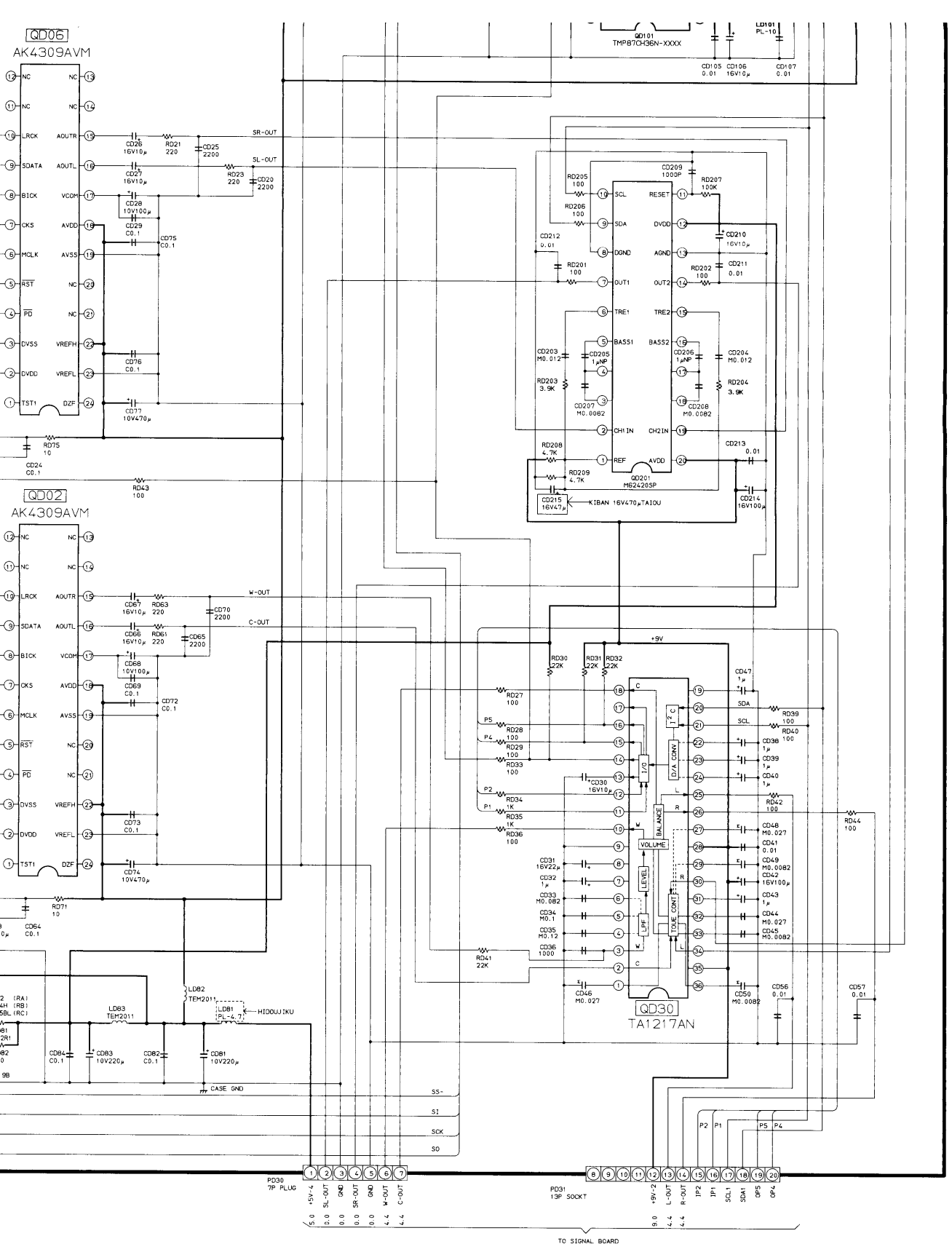



VSA
VSD
LF17 PL-10
CF19 0.01
CF18 16V100μ
CF17 16V100μ
LF11 1μ
RF14 100
LF10 1μ
CF03 MD.1
1CF10 μPD424400LA-70
DQ01
DQ02
WE
RAS
A9R
A0
A1
A2
A3
I/O1
I/O2
WRITE
RAS
A9
A0
A1
A2
A3
Vcc
Vss
I/O4
I/O3
CS
OE
A8
A7
A6
A5
A4
DQ04
DQ03
1CF01 SDA5273-2S
INTQ
IICEN
SDA
SCL
CORQ
BLAN
B
G
R
VSS1
RGB GND
VSSA2
VSS2
VBB
VSS3
CASQ
VSS4
D3
D2
D0
D1
WEQ
RASQ
A11
A10
A9
A-GND
D-GND
RF26 P1K
RF13 100
LF09 10μ
RF12 100
LF08 10μ
RF11 10K
RF10 10
RF09 10
RF08 10
RF01 3.3K
GJ01 DELETE
QF01 2SC945(MY)
RF03 6.8K
RF04 22K
RF02 DELETE
GJ02 SHORT
QF05 DELETE
RF05 DELETE
CF01 DELETE
RF06 1K
GJ06 SHORT
LF12 DELETE
CF15 DELETE
RF34 DELETE
LF16 DELETE
RF33 DELETE
CF13 DELETE
QF07 DELETE
RF32 DELETE
QF08 DELETE
RF31 DELETE
RF39 4.7K
Vcc
OUT
NC SUB GND
CF20 50V1μ
QF11 PST9146NL
PF01A 15P
TEXT R
TEXT B
OSD SW
GND
TEXT G
Ys OUT
TEXT SYNC
+9V-2
V AV
GND
HD
VD
SCL3
SDA3
+5V-6
TO SIGNAL


VSD
ICF01
SDA5273-25
INTQ
IICEN
SDA
SCL
CORQ
BLAN
B
G
R
VSS1
RGB GND
VSSA2
VSS2
VBB
VSS3
CASQ
VSS4
D3
D2
D0
D1
WEQ
RASQ
A11
A10
A9
TCSQ
VS
HS
XOUT
XIN
GPO
TM
CVBS
VDD1
VDDA
VSSA1
VDD2
RES
VDD3
VREF
VDD4
A8
A7
A6
A5
A4
A3
A2
A1
A0
A-GND
D-GND
RF26 P1K
RF11 10K
RF10 10
RF09 10
RF08 10
CF06 22P
CF07 22P
XF01 20.48MHz
CF08 M0.1
CF09 M0.1
RF15 P10K
CF10 10μ
CF11 0.1μ
RF16 470
CF12 0.01μ
DF01 UZ3.0X
RF27 10K
CF02 56P
GJ05 SHORT
RF38 15K
GJ06 SHORT
RF28 1K
DF02 1N4148
RF29 10K
RF30 10K
QF02 2SC1815Y
QF04 2SC1815Y
RF24 1K
RF20 4.7K
QF03 2SC1815
RF21 560
RF22 560
RF35 DELETE
RF36 DELETE
RF37 DELETE
SCL3
SDA3
+5V-6


6.3μS
0.7V
TO PD02B ON DIGITAL IN BOARD WITH MB05
DIGITAL-IN
GND
+5V-4
PD02A 3P2.5mm
CD92 16V22μ
CD91 0.01
RD94 100
120μS
5V
0.48μS
31μS
TO HOOD 1MA MODULE
SYSCLK
SCK
WS
SDO1 (IN)
NC
PD01 8P B/B
RD03 100
RD04 100
RD05 100
RD06 100
CD14 C0.1
CD15 C0.1
CD16 C0.1
VDD
SDA
SDE
TCK
SCK
TDI
SI
GND
SCKA
WSA
SDF
WSB
D17
SCKB
D16
SPFTX/SDG
D15
RESET-
RD09 100
RD10 100
RD11 2.2K
RD01 100


QD01
ZR38600
QD02
AK4309AVM
QD04
TC7S04F
QD05
TC7S04F
QD06
AK4309AVM
QD80
2SC3852 (RA)
2SD1944H (RB)
2SD1405BL (RC)
DD81
MTZJ3.9B
LD81
LD82
TEM201
LD83
TEM2011
SR-OUT
SL-OUT
W-OUT
C-OUT
CASE GND
+3.3V
GND



TEXT
DOLBY DIGITAL (AC-3)
40PW8DG 6/6
PK2632